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# Metropolitan Housing Characteristics

## **BILLINGS, MONT.**

STANDARD METROPOLITAN STATISTICAL AREA

# 1980

## **Census of Housing**

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# 1980

## Census of Housing

VOLUME 2

# Metropolitan Housing Characteristics

## BILLINGS, MONT.

HC80-2-90

Issued September 1983



**U.S. Department of Commerce**  
Malcolm Baldrige, Secretary  
Robert G. Dederick,  
Under Secretary for  
Economic Affairs

**BUREAU OF THE CENSUS**  
C. L. Kincannon, Acting Director

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BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

HOUSING DIVISION  
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14	Idaho	54	Not assigned	90	Billings, Mont.	125	Columbia, Mo.
15	Illinois	55	Not assigned	91	Biloxi-Gulfport, Miss.	126	Columbia, S.C.
16	Indiana	56	Not assigned	92	Binghamton, N.Y.-Pa.	127	Columbus, Ga.-Ala.
17	Iowa	57	Not assigned	93	Birmingham, Ala.	128	Columbus, Ohio
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19	Kentucky	59	Akron, Ohio	95	Bloomington, Ind.	130	Cumberland, Md.-W. Va.
20	Louisiana	60	Albany, Ga.	96	Bloomington-Normal, Ill.	131	Dallas-Fort Worth, Tex.
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182	Hickory, N.C.	224	Longview-Marshall, Tex.	261	Newark, N.J.	298	Reading, Pa.
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312	St. Joseph, Mo.			351	Texarkana, Tex.-Texarkana, Ark.	370	Wheeling, W. Va.-Ohio
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## Introduction

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### GENERAL

This report is part of the *Metropolitan Housing Characteristics* series and presents cross-tabulations of sample data on housing and household characteristics from the 1980 Census of Population and Housing. Legal provision for this census, which was conducted as of April 1, 1980, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census, consultation with a wide variety of users of census data, and extensive field testing. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes do not, however, affect to any appreciable extent the comparability between the 1980 data and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

The *Metropolitan Housing Characteristics* series consists of a United States

Summary report and individual reports for each of the 50 States, Puerto Rico, and each of the standard metropolitan statistical areas (SMSA's) in the United States and Puerto Rico. The abbreviated identification for this report is HC80-2 (i.e., Housing Census, 1980, Volume 2) followed by a number representing the State or SMSA.

In the SMSA reports, data are published for the following levels of geography: the SMSA, each central city, and each place of 50,000 or more population. In the State reports, data are shown for the State, that part of the State inside SMSA's, and inside central cities. In the United States Summary report, data are published for the United States total, inside SMSA's, and inside central cities, and for the four census regions, the region total, inside SMSA's, and inside central cities.

### CONTENTS OF THE REPORT

This report contains text (this introduction and six appendixes), a table of contents, one or more maps, and a series of detailed tables. The detailed tables are organized to provide a set of 68 tables for each geographic area (State, SMSA, central city, etc.) covered in the report. As shown in the "Index of Tables" on page IX, the set of tables for each geographic area is identified with a unique letter (A, B, C, etc.) prefix in the table number. In the SMSA reports, the SMSA is presented first, followed by the sets of tables for the central cities and places, all in alphabetical order.

For each particular area, the 68 tables consist of: 13 tables for the area in its entirety, 44 tables for occupied housing units classified by the racial group of the householder, and 11 tables for occupied housing units with householders of Spanish origin. More specifically, tables

1 to 13 are for the entire State, SMSA, central city, or place; tables 14 to 24 are for housing units with a White householder; tables 25 to 35 are for units with a Black householder; tables 36 to 46 are for units with an American Indian, Eskimo, or Aleut householder; tables 47 to 57 are for units with an Asian or Pacific Islander householder; and tables 58 to 68 are for units with a Spanish origin householder.

The race and Spanish origin tables are presented for SMSA's and places only when certain population-size criteria are met. Tables 25 to 35 (Black); 36 to 46 (American Indian, Eskimo, and Aleut); and 47 to 57 (Asian and Pacific Islander) are presented only when the particular area's population contains 10,000 or more persons of the given racial group or when the persons in the given racial groups constitute 10 percent or more of the total population of the particular area. If any of these 3 sets of tables qualify to appear for an area, tables 14 to 24 (White) are also presented. The Spanish origin tables (58 to 68) are shown if there are 10,000 or more Spanish origin persons in the particular area or if such persons constitute 10 percent or more of the total population of the particular area.

Appearing last in the report are the appendixes. Appendix A describes the various area classifications (e.g., standard metropolitan statistical area, census designated place). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C briefly explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data and on editing procedures. Appendix E contains facsimiles of the 1980 census questionnaire pages and respondent instructions. Appendix F summarizes the data dissemination program of the 1980 census.

### DERIVED FIGURES (Means, Medians, and Percents)

This report presents means, medians, and percents, as well as certain rates and ratios. The median—a type of average—is the middle value in a distribution; i.e., the median divides the distribution into two equal parts: one-half of the cases are below the median and one-half of the cases are above the median. Percents and other derived measures which round to less than 0.1 are not shown but are indicated as zero (i.e., "—").

Medians for rooms are rounded to the nearest tenth; for age, to the nearest year; for persons, to the nearest hundredth; for value, to the nearest hundred dollars; and for income, selected monthly owner costs, contract and gross rent, to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category "3 rooms" is treated as an interval ranging from 2.5 to 3.5 rooms. In computing median rent, units reported as "no cash rent" are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. For example, median age is based on a distribution of five year intervals from 15 to 85 years. When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category "Less than \$10,000," it is shown as "\$10,000—." When the median falls in the upper terminal category of an open-

ended distribution, the initial value of the terminal category is given followed by a plus sign; thus, for example, if the median falls in the category "\$150,000 or more," it is shown as "\$150,000+."

### SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash "—" represents zero or a percent which rounds to less than 0.1.
- Three dots "..." mean not applicable, or that the data are being withheld to avoid disclosure of information for individual housing units. (For further information on disclosure, see the section below on "Suppression of Data for Confidentiality.")
- CDP is census designated place.
- SMSA is standard metropolitan statistical area.

### SUPPRESSION OF DATA FOR CONFIDENTIALITY

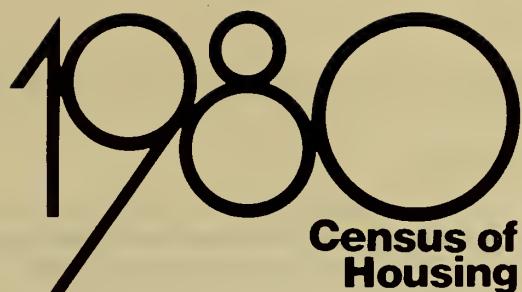
To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions, both primary and complementary suppression, as defined below, may take place.

The general rules of primary suppression of sample data are as follows: esti-

mates of total population by race and Spanish origin are never suppressed; other characteristics for persons are shown only if there are 30 or more persons in the geographic area; estimates of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are 10 or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least 10 occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least 10 and the number of renters is also at least 10. These primary suppression criteria are applied independently of one another. The comparable figures for complete count (100-percent) data are 15 or more persons and 5 or more housing units of the specified type.

Population and occupied housing unit characteristics cross-classified by race or Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of examination. This requires that the 30 person or 10 housing unit criterion stated above be applied individually to each race or Spanish origin category.

Finally, complementary suppression is applied to prevent the derivation of primary suppressed data by subtraction. For example, housing unit data shown by tenure may require complementary suppression when the number of owner-occupied or renter-occupied housing units is less than 10.



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**Arrangement of Tables**

This report presents a set of tables for the SMSA, each central city, and each place of 50,000 inhabitants or more. The report is organized to provide a set of 68 tables for each geographic area. There are 11 tables showing data for all households in the area, 2 tables showing data for vacant units, 11 tables for householders of each of four separate race groups, and 11 tables for householders of Spanish origin. The race/Spanish origin tables are, however, shown only when certain population criteria are met. See page VII of the Introduction for further information. To assist the reader in using this report, the listings are presented as follows:

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List of Tables—shows the table numbers and titles for each of the 68 tables . . . . .	X
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# Table Finding Guide— Cross-Classification of Subjects by Table Number

Subject	Value	Gross rent	Income and poverty status in 1979 of owner-occupied housing units	Income and poverty status in 1979 of renter-occupied housing units	Selected monthly owner costs for mortgaged housing units	Selected monthly owner costs for not mortgaged housing units
OCCUPANCY CHARACTERISTICS						
Condominium . . . . .	—	—	—	—	—	—
Year moved into unit . . . . .	1	2	3	4	5	6
UTILIZATION CHARACTERISTICS						
Rooms . . . . .	1	2	—	—	5	6
Persons in unit . . . . .	—	—	—	—	5	6
Bedrooms . . . . .	1	2	—	—	—	—
Median rooms . . . . .	1	2	3	4	5	6
STRUCTURAL CHARACTERISTICS						
Units in structure . . . . .	—	2	—	—	—	—
Year structure built . . . . .	1	2	—	—	5	6
Stories in structure . . . . .	—	2	—	—	—	—
PLUMBING CHARACTERISTICS						
Plumbing facilities . . . . .	1	2	3	4	—	—
EQUIPMENT AND FUELS						
Heating equipment . . . . .	1	2	3	4	5	6
Air conditioning . . . . .	1	2	3	4	5	6
Vehicles available . . . . .	—	—	3	4	—	—
House heating fuel . . . . .	—	—	3	4	5	6
Water heating fuel . . . . .	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS						
Value . . . . .	—	—	—	—	5	6
Price asked . . . . .	—	—	—	—	—	—
Mortgage status and selected monthly owner costs . . . . .	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income . . . . .	—	—	—	—	5	6
Contract rent . . . . .	—	—	—	4	—	—
Gross rent . . . . .	—	—	—	4	—	—
Rent asked . . . . .	—	—	—	—	—	—
Gross rent as percentage of household income . . . . .	—	2	—	4	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	1	—	3	—	—	—
HOUSEHOLD CHARACTERISTICS						
Household type by age of householder . . . . .	1	2	3	4	5	6
Income . . . . .	1	—	—	—	—	—
Income below poverty level . . . . .	1	2	—	—	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White . . . . .	14	15	16	17	18	19
Black . . . . .	25	26	27	28	29	30
American Indian, Eskimo, and Aleut . . . . .	36	37	38	39	40	41
Asian and Pacific Islander . . . . .	47	48	49	50	51	52
Spanish origin . . . . .	58	59	60	61	62	63

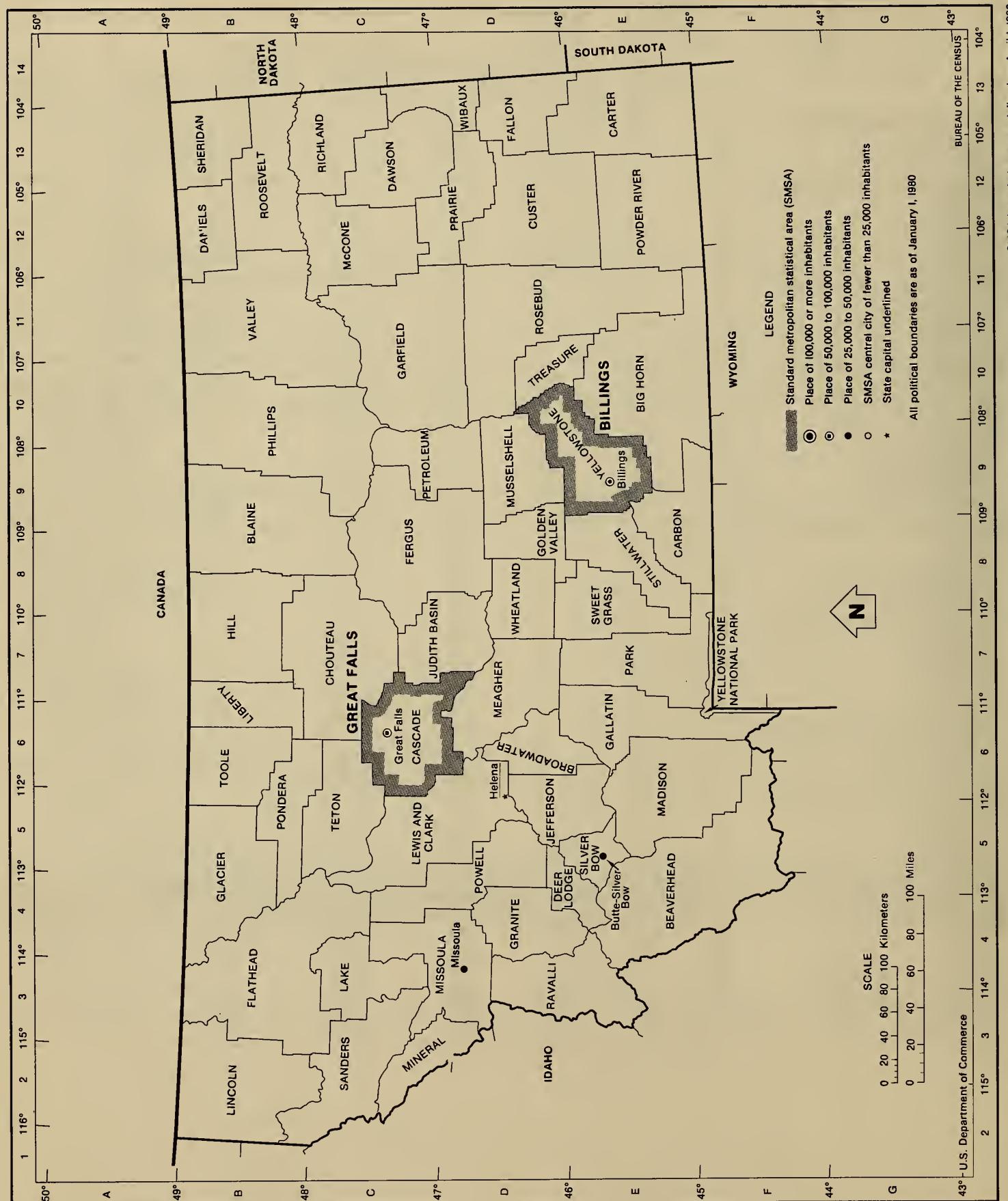
**Table Finding Guide—Cross-Classification of Subjects by Table Number**

Subject	Year structure built	Units in structure	Size of household (persons)	Household composition by age of householder	Age and sex of householder in one-person households	Duration of vacancy	Price asked and rent asked
OCCUPANCY CHARACTERISTICS							
Condominium . . . . .	—	8	—	—	—	—	—
Year moved into unit . . . . .	7	8	—	—	—	—	—
UTILIZATION CHARACTERISTICS							
Rooms . . . . .	7	8	9	—	—	12	—
Persons in unit . . . . .	7	—	—	10	—	—	—
Bedrooms . . . . .	—	8	—	—	—	12	13
Median rooms . . . . .	7	8	9	—	—	12	—
STRUCTURAL CHARACTERISTICS							
Units in structure . . . . .	7	—	9	—	11	12	13
Year structure built . . . . .	—	—	—	—	—	12	13
Stories in structure . . . . .	—	—	—	—	—	—	—
PLUMBING CHARACTERISTICS							
Plumbing facilities . . . . .	7	8	9	10	11	12	13
EQUIPMENT AND FUELS							
Heating equipment . . . . .	7	8	—	—	—	12	—
Air conditioning . . . . .	7	8	—	—	—	—	—
Vehicles available . . . . .	—	8	—	—	—	—	—
House heating fuel . . . . .	7	8	—	—	—	—	—
Water heating fuel . . . . .	—	8	—	—	—	—	—
FINANCIAL CHARACTERISTICS							
Value . . . . .	—	—	9	—	—	—	—
Price asked . . . . .	—	—	—	—	—	12	—
Mortgage status and selected monthly owner costs . . . . .	—	—	—	—	11	—	—
Selected monthly owner costs as percentage of household income . . . . .	—	—	9	—	11	—	—
Contract rent . . . . .	—	—	—	—	—	—	—
Gross rent . . . . .	—	—	9	—	11	—	—
Rent asked . . . . .	—	—	—	—	—	12	—
Gross rent as percentage of household income . . . . .	—	—	9	10	11	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	—	—	—	10	—	—	—
HOUSEHOLD CHARACTERISTICS							
Household type by age of householder . . . . .	7	8	—	—	—	—	—
Income . . . . .	7	8	9	—	11	—	—
Income below poverty level . . . . .	7	8	9	—	11	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White . . . . .	20	21	22	23	24	—	—
Black . . . . .	31	32	33	34	35	—	—
American Indian, Eskimo, and Aleut . . . . .	42	43	44	45	46	—	—
Asian and Pacific Islander . . . . .	53	54	55	56	57	—	—
Spanish origin . . . . .	64	65	66	67	68	—	—

## Standard Metropolitan Statistical Areas, Counties, and Selected Places



CORRECTION NOTE

Corrections to the 1980 census counts of the total population and total housing units have been made to some of the areas shown in this report. These corrections can be found in the correction note in PC80-1-A1, Number of Inhabitants, United States Summary; the PC80-1-B, General Population Characteristics; HC80-1-A, General Housing Characteristics Individual State reports and the United States Summary.

NOTE TO USERS:

1. In tables where the median age for total persons in owner-occupied and renter-occupied housing units is shown as ~~05~~, the correct entry should be three dots (...).
2. The "Not computed" line for Mortgage Status and Selected Monthly Owner Costs as Percentage of Household Income in 1979 for not mortgaged units includes households with zero or negative income and households reporting no housing costs; that is, not mortgaged units with no utility, fuel, tax, or insurance payments required. Households with no Selected Monthly Owner Costs are normally excluded from the "Not computed" category.



Table A-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

The SMSA	Total	Median (dollars)												Mean (dollars)
		Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more			
Specified owner-occupied housing units	20 726	114	489	1 097	1 986	3 997	4 874	5 181	1 719	1 026	243	54 700	59 400	
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	16 233	37	294	672	1 204	2 932	3 981	4 441	1 558	911	203	57 100	62 000	
15 to 24 years	523	—	27	31	55	168	136	100	6	—	—	48 900	48 400	
25 to 34 years	4 051	4	28	67	188	906	1 244	1 138	336	113	27	56 400	60 100	
35 to 44 years	3 674	12	31	55	106	462	854	1 201	499	386	68	64 700	71 200	
45 to 64 years	5 853	6	52	316	448	992	1 356	1 581	652	366	84	57 900	63 200	
65 years and over	2 132	15	156	203	407	404	391	421	65	46	24	47 700	50 200	
Male householder, no wife present	1 388	20	94	165	198	254	267	299	41	43	7	48 800	50 400	
15 to 24 years	107	—	—	20	31	45	6	5	—	—	—	50 500	51 400	
25 to 34 years	503	—	24	49	35	116	116	127	17	19	—	52 000	53 500	
35 to 44 years	263	8	10	16	44	19	24	111	7	24	—	61 200	59 700	
45 to 64 years	288	7	28	46	37	56	57	44	6	—	7	43 700	47 800	
65 years and over	227	5	32	54	62	32	25	11	6	—	—	33 600	35 900	
Female householder, no husband present	3 105	57	101	260	584	811	626	441	120	72	33	47 100	49 800	
15 to 24 years	42	—	—	7	29	—	6	—	—	—	—	43 200	44 600	
25 to 34 years	408	7	—	21	105	84	82	93	6	10	—	47 600	50 400	
35 to 44 years	466	15	—	15	55	140	123	80	33	5	—	50 400	52 400	
45 to 64 years	1 047	—	48	94	136	283	268	131	40	26	21	49 000	52 200	
65 years and over	1 142	35	53	123	288	275	153	131	41	31	12	42 600	46 700	
Median age	45.9	58.6	64.7	60.4	57.7	45.7	42.9	42.9	44.0	44.1	49.0	—	—	—
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	3 268	6	20	110	204	628	772	1 980	266	216	66	58 500	64 600	
1975 to 1978	6 587	20	80	193	403	1 157	1 613	1 868	776	420	57	58 900	63 700	
1970 to 1974	3 322	24	56	184	293	574	836	815	342	153	45	55 400	60 500	
1960 to 1969	3 695	12	65	211	353	789	932	879	242	162	50	53 400	58 500	
1959 or earlier	3 854	52	268	399	733	849	721	639	93	75	25	46 000	47 700	
<b>ROOMS</b>														
1 to 3 rooms	430	20	47	120	80	44	74	25	12	8	—	32 700	38 200	
4 rooms	2 346	46	152	435	595	577	338	139	26	38	—	39 000	40 200	
5 rooms	4 812	48	180	303	650	1 438	1 194	819	145	35	—	48 600	48 800	
6 rooms	3 630	—	58	138	364	872	954	967	191	66	20	53 600	55 700	
7 rooms	3 336	—	23	73	174	573	1 003	1 082	253	139	16	58 000	62 000	
8 or more rooms	6 172	—	29	28	123	493	1 311	2 149	1 092	740	207	70 400	77 400	
Median	6.3	4.3	4.8	4.5	5.0	5.5	6.4	7.1	8.1	8.5+	8.5+	—	—	—
<b>BEDROOMS</b>														
None	28	—	5	—	—	—	17	6	—	—	—	—	—	—
1	567	35	58	152	138	76	40	18	25	25	—	33 200	38 300	
2	4 858	59	261	626	996	1 402	850	510	92	51	11	43 600	44 100	
3	9 148	20	122	264	660	2 006	2 517	2 544	644	320	51	54 900	58 900	
4	4 626	—	36	34	158	387	1 206	1 617	670	412	106	64 600	72 300	
5 or more	1 499	—	7	21	34	126	244	486	288	218	75	75 400	80 900	
<b>YEAR STRUCTURE BUILT</b>														
1975 to March 1980	4 498	—	37	67	103	487	894	1 538	762	491	119	67 100	74 200	
1970 to 1974	2 042	15	19	15	83	222	486	744	275	151	32	63 900	68 900	
1960 to 1969	3 700	12	21	68	175	583	1 085	1 129	344	227	56	58 900	65 000	
1950 to 1959	5 356	21	60	272	536	1 384	1 582	1 179	219	79	24	52 000	53 900	
1940 to 1949	2 252	4	101	288	477	664	354	262	63	39	—	44 400	45 900	
1939 or earlier	2 878	62	251	387	612	657	473	329	56	39	12	41 600	43 500	
<b>HOUSEHOLD INCOME IN 1979</b>														
Less than \$5,000	1 135	44	92	155	192	161	209	176	47	48	11	45 800	48 300	
\$5,000 to \$9,999	2 151	41	152	269	476	553	259	305	58	35	3	42 600	44 400	
\$10,000 to \$12,499	1 078	—	46	133	142	326	207	165	51	8	—	46 500	47 800	
\$12,500 to \$14,999	1 235	7	54	116	198	299	271	197	70	19	4	48 500	49 700	
\$15,000 to \$19,999	3 279	7	76	194	273	877	978	654	147	73	—	51 900	53 400	
\$20,000 to \$24,999	3 496	7	39	131	292	664	1 022	1 035	179	118	9	56 100	58 000	
\$25,000 to \$34,999	4 729	—	23	46	236	859	1 276	1 514	488	252	35	59 300	64 000	
\$35,000 to \$49,999	2 433	8	7	37	115	208	536	809	454	201	58	66 800	72 100	
\$50,000 or more	1 190	—	—	16	62	50	116	326	225	272	123	82 200	94 300	
Median	\$22 036	\$6 204	\$10 027	\$12 340	\$14 811	\$18 872	\$22 189	\$25 292	\$30 718	\$33 276	\$50 401	—	—	—
Mean	\$24 907	\$9 657	\$11 976	\$14 291	\$18 598	\$20 289	\$23 749	\$27 385	\$34 888	\$41 243	\$64 351	—	—	—
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
With a mortgage	15 105	36	112	367	890	2 824	4 034	4 290	1 530	832	190	58 000	63 500	
Less than 15 percent	4 352	8	44	99	329	708	1 217	1 250	428	211	58	57 600	63 100	
15 to 19 percent	2 701	—	20	69	144	559	787	662	270	152	38	56 600	62 200	
20 to 24 percent	2 490	12	20	47	88	487	581	784	269	163	39	60 200	65 600	
25 to 29 percent	1 872	4	4	31	128	397	478	531	209	77	13	57 800	62 600	
30 to 34 percent	1 179	—	16	37	42	245	361	309	96	73	—	56 600	61 100	
35 percent or more	2 409	12	8	78	153	418	583	722	252	141	42	59 200	63 900	
Not computed	102	—	—	6	6	10	27	32	6	15	—	60 400	67 400	
Median	20.9	24.2	18.0	21.3	18.9	21.4	20.0	21.4	21.2	21.4	19.9	—	—	—
Not mortgaged	5 621	78	377	730	1 096	1 173	840	891	189	194	53	44 600	48 600	
Less than 10 percent	2 905	22	171	349	461	593	511	551	99	105	43	47 700	51 500	
10 to 14 percent	1 221	21	100	129	265	300	157	155	37	52	5	43 900	47 000	
15 to 19 percent	642	8	56	99	185	137	54	78	5	15	5	38 500	43 200	
20 to 24 percent	291	5	—	55	100	41	54	23	13	—	—	37 900	42 300	
25 to 29 percent	184	15	8	28	51	23	16	27	12	4	—	38 300	43 200	
30 to 34 percent	109	—	5	40	12	24	—	22	6	—	—	38 200	43 200	
35 percent or more	253	7	29	30	14	55	48	35	17	18	—	47 900	51 900	
Not computed	16	—	8	—	8	—	—	—	—	—	—	27 500	28 100	
Median	10—	14.0	10.7	10.6	11.6	10—	10—	10—	10—	10—	10—	—	—	—
<b>SELECTED CHARACTERISTICS</b>														
Complete plumbing for exclusive use	20 710	107	489	1 097	1 986	3 988	4 874	5 181	1 719	1 026	243	54 800	59 500	
1.01 or more persons per room	258	—	—	32	33	61	75	39	18	—	—	50 400	50 700	
Lacking complete plumbing for exclusive use	16	7	—	—	—	9	—	—	—	—	—	41 300	28 800	
1.01 or more persons per room	4	—	—	—	—	4	—	—	—	—	—	42 500	42 500	
Heating equipment	20 719	114	489	1 097	1 986	3 997	4 867	5 181	1 719	1 026	243	54 700	59 400	
Central heating system	19 595	78	356	892	1 789	3 800	4 712	5 057	1 656	1 017	238	55 400	60 400	
Air conditioning	8 023	33	140	243	650	1 367	1 940	1 911	888	643	208	57 700	66 000	
Central system	3 488	5	42	14	53	290</td								

Table A-2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA

Specified renter-occupied housing units

HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)	
12 504	883	1 280	2 230	2 570	1 955	1 632	640	576	241	497	229		
4 015	67	185	418	741	777	805	356	341	128	197	282		
919	11	36	97	235	265	188	26	29	6	26	265		
1 389	15	44	119	249	295	301	169	136	44	17	294		
589	18	11	63	74	71	161	34	80	41	36	312		
716	6	46	69	110	93	118	95	83	22	74	298		
402	17	48	70	73	53	37	32	13	15	44	224		
3 522	350	452	768	743	503	297	113	123	58	115	208		
1 158	24	138	312	293	165	114	38	21	16	37	212		
1 153	82	90	267	233	224	108	47	74	21	7	228		
313	21	48	49	75	59	18	—	20	8	15	225		
622	108	143	102	100	44	43	28	8	13	33	176		
276	115	33	38	42	11	14	—	—	—	23	105		
Female householder, no husband present	4 967	466	643	1 044	1 086	675	530	171	112	55	185	209	
15 to 24 years	1 400	29	166	292	436	184	178	52	13	17	33	220	
25 to 34 years	1 175	33	126	254	296	222	142	44	38	10	10	224	
35 to 44 years	419	23	58	61	76	63	60	21	40	3	14	235	
45 to 64 years	813	79	110	204	148	95	72	44	6	19	36	198	
65 years and over	1 160	302	183	233	130	111	78	10	15	6	92	157	
Median age	31.8	64.6	39.4	29.8	27.9	28.9	30.1	33.0	34.2	36.4	53.7	...	

YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980	7 527	348	649	1 283	1 700	1 249	1 134	406	423	209	126	241
1975 to 1978	3 228	324	363	620	613	529	345	162	137	20	115	220
1970 to 1974	928	149	143	183	119	103	103	57	16	6	49	186
1960 to 1969	522	47	80	82	121	63	43	10	—	—	76	205
1959 or earlier	299	15	45	62	17	11	7	5	—	6	131	182

ROOMS

1 room	541	192	127	92	47	16	9	—	9	36	13	129
2 rooms	1 004	228	237	295	156	36	43	—	—	9	—	159
3 rooms	2 696	316	505	894	671	155	58	7	11	7	72	181
4 rooms	4 098	76	249	625	1 058	1 020	698	141	49	37	145	248
5 rooms	2 227	61	114	211	453	467	460	194	146	10	111	273
6 rooms	1 024	6	31	63	112	179	230	161	186	28	28	323
7 or more rooms	914	4	17	50	73	82	134	137	175	114	128	362
Median	4.0	2.6	3.0	3.3	3.9	4.3	4.5	5.4	5.9	6.3	4.7	...

PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979

All income levels in 1979	12 504	883	1 280	2 230	2 570	1 955	1 632	640	576	241	497	229
Complete plumbing for exclusive use	12 055	683	1 135	2 184	2 545	1 955	1 632	632	576	241	472	234
0.50 or less	7 999	524	782	1 550	1 771	1 260	958	361	272	132	389	224
0.51 to 1.00	3 696	147	330	560	722	650	604	239	285	102	57	254
1.01 to 1.50	271	—	12	63	30	45	47	32	19	—	23	267
1.51 or more	89	12	11	11	22	—	23	—	—	7	3	216
Locking complete plumbing for exclusive use	449	200	145	46	25	—	—	8	—	—	25	102
0.50 or less	213	77	85	23	10	—	—	8	—	—	10	109
0.51 to 1.00	203	123	46	4	15	—	—	—	—	—	15	86
1.01 to 1.50	33	—	14	19	—	—	—	—	—	—	—	191

Income in 1979 below poverty level

Complete plumbing for exclusive use	2 575	421	364	523	504	286	216	85	52	18	106	193
1.01 or more persons per room	2 431	363	301	509	495	286	216	85	52	18	106	199
Lacking complete plumbing for exclusive use	164	12	10	53	30	14	18	22	—	—	5	205
1.01 or more persons per room	144	58	63	14	9	—	—	—	—	—	—	104
21	—	14	7	—	—	—	—	—	—	—	—	111

BEDROOMS

None	764	220	232	177	47	21	9	—	9	36	13	128
1	3 977	527	703	1 310	1 015	210	91	14	6	19	82	179
2	5 582	109	245	645	1 337	1 466	1 107	263	166	44	200	263
3	1 655	23	82	77	111	216	343	282	314	63	144	336
4	426	4	18	21	53	42	52	63	81	59	33	355
5 or more	100	—	—	—	7	—	30	18	—	20	25	351

UNITS IN STRUCTURE

1, detached or attached	4 312	103	310	621	799	607	665	368	387	165	287	264
2	2 038	31	222	443	464	333	277	111	111	6	40	228
3 and 4	1 642	139	153	292	312	350	275	74	31	3	13	235
5 to 9	1 725	213	228	444	276	237	213	49	33	—	32	196
10 to 49	1 580	219	238	260	435	230	94	23	5	7	49	205
50 or more	545	178	77	52	56	83	35	9	9	48	7	180
Mobile home or trailer, etc.	682	—	52	118	228	115	73	15	—	12	69	230

YEAR STRUCTURE BUILT

1975 to March 1980	2 052	212	94	108	304	402	459	165	198	62	48	286
1970 to 1974	1 692	133	60	190	379	396	287	89	78	57	23	258
1960 to 1969	1 881	78	86	289	481	300	286	98	104	69	90	246
1950 to 1959	2 280	49	158	466	574	437	276	144	115	11	50	235
1940 to 1949	1 819	101	244	455	439	224	157	45	29	21	104	205
1939 or earlier	2 780	310	638	722	393	196	167	99	52	21	182	171

STORIES IN STRUCTURE

1 to 3	12 110	802	1 188	2 171	2 519	1 899	1 592	640	576	232	491	231
4 or more	394	81	92	59	51	56	40	—	—	9	6	181
With elevator	364	81	81	52	44	56	35	—	—	9	6	181

GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979

Less than 15 percent	2 100	223	340	386	482	300	199	84	61	25	...	209
15 to 19 percent	1 936											

Table A-3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	Mean (dollars)	
	Owner-occupied housing units	26 920	1 687	3 070	1 595	1 800	4 244	4 348	5 751	2 913	1 512	21 137	24 097	1 423
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	20 604	615	1 539	915	1 133	3 357	3 770	5 244	2 669	1 362	23 562	26 722	658	
15 to 24 years	855	16	82	84	82	216	156	172	30	17	18 983	20 823	27	
25 to 34 years	5 032	99	170	202	309	1 080	1 492	1 273	286	121	22 119	23 131	142	
35 to 44 years	4 491	121	84	83	174	656	752	1 518	707	396	26 823	29 967	166	
45 to 64 years	7 506	186	376	273	295	986	1 098	1 985	1 537	770	27 296	31 663	210	
65 years and over	2 720	193	827	273	273	419	272	296	109	58	13 114	16 228	113	
Male householder, no wife present	2 067	275	243	135	198	385	309	268	145	109	17 493	21 571	169	
15 to 24 years	203	25	13	25	38	31	34	12	18	7	15 083	19 636	14	
25 to 34 years	721	70	47	29	106	180	93	110	55	31	18 265	20 656	60	
35 to 44 years	374	6	29	18	28	94	68	79	18	34	20 732	31 702	14	
45 to 64 years	458	65	58	39	14	66	89	61	35	31	18 917	22 061	48	
65 years and over	311	109	96	24	12	14	25	6	19	6	7 473	12 050	33	
Female householder, no husband present	4 249	797	1 288	545	469	502	269	239	99	41	10 181	12 594	596	
15 to 24 years	118	11	66	18	6	5	—	12	—	—	8 548	10 369	11	
25 to 34 years	561	77	165	83	74	73	32	28	15	14	11 160	14 553	87	
35 to 44 years	601	95	102	76	59	158	57	48	6	—	13 665	13 536	97	
45 to 64 years	1 464	168	428	244	186	172	100	85	66	15	11 393	13 971	183	
65 years and over	1 505	446	527	124	144	94	80	66	12	12	7 896	10 322	218	
Median age	46.0	60.5	63.8	53.4	47.1	40.9	38.4	42.6	48.3	47.3	...	...	49.9	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	4 550	222	389	310	362	994	763	888	396	226	19 991	23 730	254	
1975 to 1978	8 977	417	686	429	566	1 453	1 650	2 281	994	501	22 665	25 385	419	
1970 to 1974	4 456	278	516	204	279	618	828	981	455	297	22 108	24 434	279	
1960 to 1969	4 339	285	442	275	208	611	564	931	712	311	22 997	26 281	198	
1959 or earlier	4 598	485	1 037	377	385	568	543	670	356	177	15 123	19 557	273	
<b>SELECTED CHARACTERISTICS</b>														
Complete plumbing for exclusive use	26 824	1 664	3 020	1 591	1 800	4 244	4 344	5 742	2 907	1 512	21 170	24 144	1 392	
1.01 or more persons per room	391	13	26	31	32	90	60	82	44	13	20 324	22 160	31	
Lacking complete plumbing for exclusive use	96	23	50	4	—	—	4	9	6	—	7 917	10 764	31	
1.01 or more persons per room	17	7	—	4	—	—	—	—	6	—	10 938	15 820	7	
Heating equipment	26 913	1 687	3 070	1 595	1 800	4 237	4 348	5 751	2 913	1 512	21 141	24 098	1 423	
Central heating system	25 248	1 429	2 704	1 466	1 648	3 989	4 178	5 522	2 846	1 466	21 544	24 518	1 197	
Air conditioning	10 904	552	1 068	678	704	1 547	1 675	2 447	1 457	776	22 529	26 327	445	
Central system	4 880	225	349	229	292	549	606	1 157	912	561	26 513	31 526	184	
Vehicles available	26 298	1 431	2 801	1 566	1 768	4 225	4 338	5 751	2 913	1 505	21 451	24 485	1 299	
1	6 091	717	1 538	723	654	1 027	670	458	193	111	12 758	15 565	511	
2 or more	20 207	714	1 263	843	1 114	3 198	3 668	5 293	2 720	1 394	23 991	27 174	788	
House heating fuel	26 913	1 687	3 070	1 595	1 800	4 237	4 348	5 751	2 913	1 512	21 141	24 098	1 423	
Utility gas	23 226	1 386	2 700	1 378	1 520	3 632	3 721	5 014	2 568	1 307	21 247	24 323	1 138	
Bottled, tank, or LP gas	784	94	156	39	65	100	119	138	25	48	16 583	20 489	84	
Electricity	2 041	103	107	95	138	343	413	452	270	120	22 746	24 984	80	
Fuel oil, kerosene, etc.	361	65	65	38	25	66	19	41	25	17	13 750	17 530	68	
Other	501	39	42	45	52	96	76	106	25	20	19 052	20 445	53	
Median rooms	5.9	4.9	4.9	5.2	5.3	5.7	5.9	6.6	7.2	8.1	...	...	5.2	
Specified owner-occupied housing units	20 726	1 135	2 151	1 078	1 235	3 279	3 496	4 729	2 433	1 190	22 036	24 907	907	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>														
With a mortgage	15 105	517	938	575	805	2 492	2 853	4 009	1 959	957	23 854	26 931	573	
Less than \$200	833	34	131	79	72	126	144	146	90	11	18 926	20 454	41	
\$200 to \$249	1 829	88	227	78	129	329	280	410	247	41	20 851	22 444	76	
\$250 to \$299	1 745	45	76	83	76	305	376	531	205	48	23 915	24 598	51	
\$300 to \$349	1 561	45	114	87	174	249	314	307	203	68	20 949	25 120	51	
\$350 to \$399	1 665	95	131	77	71	375	223	461	155	77	21 424	23 558	110	
\$400 to \$449	3 335	89	140	76	176	653	766	911	365	159	22 854	26 523	105	
\$500 to \$599	2 063	79	70	36	68	294	462	636	248	170	24 827	28 307	86	
\$600 to \$749	1 401	10	40	39	39	133	220	447	290	183	26 794	35 262	15	
\$750 or more	673	32	9	20	—	28	68	160	156	200	30 474	46 204	38	
Median	\$398	\$374	\$315	\$327	\$336	\$382	\$410	\$415	\$425	\$544	...	...	\$381	
Not mortgaged	5 621	618	1 213	503	430	787	643	720	474	233	15 256	19 467	334	
Less than \$50	96	37	36	—	—	7	9	—	7	—	6 058	9 817	33	
\$50 to \$74	473	115	185	39	42	51	30	11	—	—	7 631	9 629	66	
\$75 to \$99	1 419	207	434	147	100	207	111	138	62	13	11 165	14 188	92	
\$100 to \$124	1 419	133	305	149	168	221	173	139	101	30	14 323	18 028	73	
\$125 to \$149	974	81	158	87	65	153	119	204	71	36	18 343	20 644	36	
\$150 to \$199	830	36	56	67	48	107	142	170	137	67	23 398	27 055	25	
\$200 to \$249	229	—	24	—	7	26	40	41	57	34	30 249	37 361	—	
\$250 or more	181	9	15	14	—	15	19	17	39	53	35 508	39 182	9	
Median	\$114	\$94	\$97	\$111	\$111	\$125	\$134	\$149	\$178	...	...	...	\$93	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
With a mortgage	15 105	517	938	575	805	2 492	2 853	4 009	1 959	957	23 854	26 931	573	
Less than 15 percent	4 352	—	13	20	36	225	595	1 437	1 202	824	33 675	41 179	7	
15 to 19 percent	2 701	—	14	51	102	446	538	1 002	434	114	26 549	27 848	15	
20 to 24 percent	2 490	—	46	61	105	429	682	915	233	19	24 477	25 153	10	
25 to 29 percent	1 872	4	56	70	178	540	561	398	65	—	20 703	21 274	4	
30 to 34 percent	1 179	—	123	84	104	422	259	170	17	—	18 391	18 504	—	
35 percent or more	2 409	411	686	289	280	430	218	87	8	—	10 930	11 755	435	
Not computed	102	102	—	—	—	—	—	—	—	—	2500	—	102	
Median	20.9	50+	49.0	35.1	29.5	26.4	22.2	17.8	13.1	10—	...	...	50+	
Not mortgaged	5 621	618	1 213	503	430	787	643	720	474	233	15 256	19 467	334	
Less than 10 percent	2 905	9	69	126	188	589	516	706	469	233	24 550	29 088	9	
10 to 14 percent	1 221	18	428	252	219	163	127	9	5	—	11 632	12 519	17	
15 to 19 percent	642	58	424	97	23	35	—	5	—	—	7 687	8 563	16	
20 to 24 percent	291	119	158	14	—	—	—	—	—	—	5 625	5 813	28	
25 to 29 percent	184	102	68	14	—	—	—	—	—	—	4 755	5 640	38	
30 to 34 percent	109	74	35	—	—	—	—	—	—	—	4 293	4 757	36	
35 percent or more	253	222	31	—	—	—	—	—	—	—	3 419	3 581	174	
Not computed	16	16	—	—	—	—	—	—	—	—	2500	—	16	
Median	10—	29.8	16.3	12.5	10.6	10—	10—	10—	10—	10—	...</			

Table A-4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA

The SMSA	Household income in 1979													Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
	Renter-occupied housing units	12 971	2 906	3 170	1 487	1 212	1 805	1 087	817	315	172	10 688	12 981	2 688
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>														
Married-couple families	4 253	367	681	575	439	844	623	433	207	84	15 376	17 453	499	
15 to 24 years	948	106	169	209	133	175	117	19	7	13	12 380	14 063	135	
25 to 34 years	1 474	77	132	199	146	377	259	179	97	8	17 168	18 441	119	
35 to 44 years	623	90	81	32	63	103	96	103	38	17	17 975	19 262	140	
45 to 64 years	785	54	107	54	41	167	140	119	57	46	19 171	21 793	68	
65 years and over	423	40	192	81	56	22	11	13	8	9	9 542	10 891	37	
Male householder, no wife present	3 653	751	839	439	316	621	306	242	82	57	11 347	13 425	606	
15 to 24 years	1 168	231	319	118	86	247	63	76	22	6	10 720	12 493	221	
25 to 34 years	1 188	150	246	175	142	226	112	94	26	17	12 905	14 598	111	
35 to 44 years	345	30	107	35	36	59	38	26	8	6	12 535	14 666	20	
45 to 64 years	639	141	100	93	47	77	86	41	26	28	12 110	15 856	114	
65 years and over	313	199	67	18	5	12	7	5	—	4 282	6 127	140		
Female householder, no husband present	5 065	1 788	1 650	473	457	340	158	142	26	31	7 059	8 905	1 583	
15 to 24 years	1 408	515	507	78	111	123	19	29	14	12	6 519	8 614	561	
25 to 34 years	1 206	281	427	143	132	108	41	67	7	—	8 844	10 061	317	
35 to 44 years	424	85	141	57	68	49	6	7	5	6	9 539	10 891	110	
45 to 64 years	840	286	210	109	87	36	71	28	—	13	8 041	10 223	263	
65 years and over	1 187	621	365	86	59	24	21	11	—	4 861	6 435	332		
Median age	32.0	39.2	31.1	29.8	30.4	29.2	33.3	33.5	33.2	45.7	...	...	32.1	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>														
1979 to March 1980	7 665	1 629	1 984	860	645	1 140	661	464	169	113	10 638	13 008	1 708	
1975 to 1978	3 402	748	781	418	356	500	249	253	83	14	11 029	12 665	590	
1970 to 1974	979	236	224	96	125	111	95	49	25	18	10 768	13 625	171	
1960 to 1969	552	144	100	58	47	49	70	33	30	21	11 379	15 482	118	
1959 or earlier	373	149	81	55	39	5	12	18	8	6	6 674	9 917	101	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>														
Complete plumbing for exclusive use	12 503	2 722	3 013	1 439	1 182	1 773	1 080	812	310	172	10 897	13 179	2 537	
0.50 or less	8 316	1 939	2 084	998	782	1 106	641	505	182	79	10 338	12 372	1 474	
0.51 to 1.00	3 817	701	829	415	359	616	406	283	123	85	12 280	14 919	892	
1.01 to 1.50	281	54	80	21	24	51	21	17	5	8	10 774	14 148	126	
1.51 or more	89	28	20	5	17	—	12	7	—	9 375	10 894	45		
Locking complete plumbing for exclusive use	468	184	157	48	30	32	7	5	5	—	6 202	7 695	151	
0.50 or less	226	81	73	29	25	13	—	5	—	—	6 509	7 832	55	
0.51 to 1.00	209	96	70	7	5	19	7	—	5	—	5 574	7 675	75	
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.51 or more	33	7	14	12	—	—	—	—	—	—	6 696	6 892	21	
<b>SELECTED CHARACTERISTICS</b>														
Heating equipment	12 968	2 906	3 170	1 484	1 212	1 805	1 087	817	315	172	10 687	12 982	2 688	
Central heating system	10 936	2 204	2 616	1 274	1 008	1 624	989	762	287	172	11 272	13 651	2 065	
Air conditioning	4 397	837	1 002	489	415	607	418	389	139	101	11 838	14 652	698	
Central system	1 506	175	269	190	139	216	182	202	70	63	14 640	17 917	210	
Vehicles available	11 008	1 807	2 503	1 397	1 168	1 767	1 080	799	315	172	12 137	14 312	1 850	
1	6 091	1 431	1 804	863	659	772	353	138	46	25	9 533	10 622	1 277	
2 or more	4 917	376	699	534	509	995	727	661	269	147	16 591	18 883	573	
House heating fuel	12 968	2 906	3 170	1 484	1 212	1 805	1 087	817	315	172	10 687	12 982	2 688	
Utility gas	10 399	2 119	2 506	1 236	977	1 489	946	737	249	140	11 162	13 380	1 990	
Bottled, tank, or LP gas	344	111	92	27	38	25	21	24	6	—	8 664	10 624	130	
Electricity	1 884	566	494	189	158	248	99	43	55	32	8 907	11 699	471	
Fuel oil, kerosene, etc.	198	61	61	5	22	21	16	7	5	—	7 788	10 504	60	
Other	143	49	17	27	17	22	5	6	—	—	10 509	10 011	37	
Median rooms	4.0	3.4	3.7	4.0	4.2	4.4	4.5	4.7	5.1	4.7	...	...	3.7	
<b>Specified renter-occupied housing units</b>	12 504	2 791	3 101	1 433	1 154	1 728	1 060	773	297	167	10 628	12 923	2 575	
<b>CONTRACT RENT</b>														
Less than \$100	1 171	721	292	57	38	32	22	4	5	—	4 370	5 918	516	
\$100 to \$149	1 723	542	563	165	180	164	65	12	22	6	7 458	9 122	470	
\$150 to \$199	2 941	637	877	479	268	332	193	124	16	15	9 776	11 044	615	
\$200 to \$249	2 417	416	604	289	261	388	218	162	53	26	11 631	13 382	433	
\$250 to \$299	2 241	239	476	274	198	463	295	197	53	46	14 160	15 754	288	
\$300 to \$349	790	59	92	85	67	202	110	83	67	25	17 018	19 616	104	
\$350 to \$399	467	20	43	20	60	83	81	98	37	25	20 284	22 604	26	
\$400 to \$449	169	10	22	5	23	11	33	42	19	4	22 784	22 903	10	
\$500 or more	88	7	16	—	—	6	10	22	13	14	27 833	29 218	7	
No cash rent	497	140	116	55	59	47	33	29	12	6	9 724	12 703	106	
Median	\$203	\$154	\$182	\$197	\$211	\$242	\$253	\$267	\$274	\$284	...	...	\$168	
<b>GROSS RENT</b>														
Less than \$100	883	593	227	18	21	7	17	—	—	—	4 171	5 070	421	
\$100 to \$149	1 280	449	440	124	100	102	40	11	14	—	6 724	8 442	364	
\$150 to \$199	2 230	565	713	383	209	220	83	22	22	13	8 791	9 709	523	
\$200 to \$249	2 570	540	712	349	280	277	230	145	29	8	10 236	11 703	504	
\$250 to \$299	1 955	235	450	215	219	414	187	164	45	26	13 385	14 766	286	
\$300 to \$349	1 632	178	281	202	135	365	231	134	60	46	15 242	16 999	216	
\$350 to \$399	640	25	65	59	61	180	103	80	42	25	17 412	20 375	85	
\$400 to \$449	576	48	71	22	47	99	93	116	55	25	20 042	21 984	52	
\$500 or more	241	18	26	6	23	17	43	72	18	18	23 580	24 688	18	
No cash rent	497	140	116	55	59	47	33	29	12	6	9 724	12 703	106	
Median	\$229	\$174	\$207	\$223	\$236	\$280	\$288	\$311	\$327	\$336	...	...	\$193	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>														
Less than 15 percent	2 100	16	153	82	166	391	424	452	263	153	22 618	26 005	41	
15 to 19 percent	1 936	90	179	247	290	486	419	195	22	8	16 858	17 093	65	
20 to 24 percent	1 836	173	379	380	288	440	98	78	—	—	12 408	12 745	153	
25 to 29 percent	1 408	150	441	251	208	272	70	16	—	—	11 125	11 442	154	
30 to 34 percent	925	112	461	213	65	65	6	3	—	—	9 044	9 272	96	
35 to 49 percent	1 559	352	903	194	73	27	10	—	—	—	7 096	7 439	353	
50 percent or more	2 121	1 636	469	11	5	—	—	—	—	—	3 555	3 772	1 485	
Not computed	619	262	116	55	59	47	33	29	12	6	7 474	10 016	228	
Median	25.3	50+	33.7	24.7	21.6	19.6	16.1	13.8	10.1	10—	...	...	50+	

Table A-5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

The SMSA		Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units		15 105	833	1 829	1 745	1 561	1 665	3 335	2 063	1 401	673	398
PERSONS IN UNIT												
1 person		1 163	134	146	133	213	126	229	132	22	28	340
2 persons		3 919	303	725	475	342	433	779	448	331	83	363
3 persons		3 169	164	372	403	291	399	748	456	211	125	394
4 persons		4 044	121	355	430	388	443	1 017	586	459	245	425
5 persons		1 844	95	167	196	194	154	376	251	271	140	428
6 persons		676	5	50	76	78	82	111	127	95	52	441
7 persons		193	11	14	32	41	21	29	38	7	—	348
8 or more persons		97	—	—	—	14	7	46	25	5	—	451
Median		3.28	2.43	2.62	3.16	3.27	3.19	3.38	3.49	3.80	3.91	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families		12 513	639	1 379	1 413	1 250	1 357	2 830	1 761	1 260	624	407
15 to 24 years		490	16	16	58	36	22	220	88	34	—	433
25 to 34 years		3 917	40	145	244	459	474	1 226	663	496	170	442
35 to 44 years		3 431	110	217	406	282	392	734	621	374	295	446
45 to 64 years		4 184	377	840	629	453	431	604	347	344	159	327
65 years and over		491	96	161	76	20	38	46	42	12	—	246
Male householder, no wife present		1 025	65	108	76	120	119	286	146	78	27	408
15 to 24 years		102	15	11	4	14	10	35	7	6	—	385
25 to 34 years		461	21	5	44	63	37	155	90	34	12	438
35 to 44 years		245	9	30	23	5	47	35	49	38	9	454
45 to 64 years		194	20	51	5	26	25	61	—	—	6	340
65 years and over		23	—	11	—	12	—	—	—	—	—	302
Female householder, no husband present		1 567	129	342	256	191	189	219	156	63	22	315
15 to 24 years		29	—	—	—	—	14	15	—	—	—	402
25 to 34 years		384	6	26	65	60	54	112	39	22	—	382
35 to 44 years		437	22	97	81	45	74	40	58	10	10	321
45 to 64 years		570	75	182	79	69	47	47	28	31	12	268
65 years and over		147	26	37	31	17	—	5	31	—	—	267
Median age		39.9	53.4	51.3	43.9	39.2	38.7	34.4	36.6	37.3	40.0	...
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980		3 064	67	39	148	185	210	916	700	540	259	497
1975 to 1978		5 969	84	199	351	674	878	1 769	995	719	300	438
1970 to 1974		2 793	187	455	616	389	359	428	211	77	71	318
1960 to 1969		2 458	278	840	537	229	168	191	128	53	34	260
1959 or earlier		821	217	296	93	84	50	31	29	12	9	233
ROOMS												
1 to 3 rooms		191	24	8	27	33	7	62	10	7	13	375
4 rooms		1 166	229	198	110	180	126	207	57	48	11	313
5 rooms		3 082	268	539	465	330	351	643	291	172	23	341
6 rooms		2 555	132	384	341	335	269	576	336	119	63	366
7 rooms		2 676	87	311	298	293	344	588	372	297	86	401
8 or more rooms		5 435	93	389	504	390	568	1 259	997	758	477	461
Median		6.7	5.1	5.9	6.3	6.2	6.7	6.8	7.4	7.7	8.5+	...
YEAR STRUCTURE BUILT												
1975 to March 1980		4 152	81	77	115	238	350	1 128	949	779	435	509
1970 to 1974		1 835	21	135	248	183	238	447	290	189	84	420
1960 to 1969		3 145	108	477	583	357	309	642	353	237	79	358
1950 to 1959		3 646	331	722	522	516	454	652	279	122	48	324
1940 to 1949		1 172	136	216	119	168	126	232	117	43	15	334
1939 or earlier		1 155	156	202	158	99	188	234	75	31	12	331
VALUE												
Less than \$10,000		36	14	22	—	—	—	—	—	—	—	209
\$10,000 to \$19,999		112	58	31	6	6	7	4	—	—	—	197
\$20,000 to \$29,999		367	81	126	74	28	29	29	—	—	—	241
\$30,000 to \$39,999		890	166	149	176	203	79	103	14	—	—	287
\$40,000 to \$49,999		2 824	221	571	369	408	398	667	166	20	4	331
\$50,000 to \$59,999		4 034	180	620	559	384	493	1 154	452	165	27	378
\$60,000 to \$79,999		4 290	113	269	495	409	457	951	862	619	115	440
\$80,000 to \$99,999		1 530	—	29	66	78	146	302	383	360	166	538
\$100,000 to \$149,999		832	—	12	—	40	56	104	162	215	243	629
\$150,000 or more		190	—	—	—	5	—	21	24	22	118	750+
Median		\$58 000	\$43 800	\$50 200	\$53 600	\$53 400	\$56 000	\$57 000	\$66 300	\$77 100	\$103 400	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979												
Less than 15 percent		4 352	586	1 077	955	480	357	426	221	170	80	277
15 to 19 percent		2 701	101	292	397	394	401	638	229	148	101	371
20 to 24 percent		2 490	54	120	155	203	313	849	449	262	85	442
25 to 29 percent		1 872	29	56	79	208	200	558	434	221	87	458
30 to 34 percent		1 179	7	109	45	76	83	348	243	190	78	481
35 percent or more		2 409	56	164	109	194	298	484	472	400	232	474
Not computed		102	—	11	5	6	13	32	15	10	10	462
Median		20.9	10.3	13.5	14.4	18.8	21.1	23.5	26.4	27.6	28.8	...
SELECTED CHARACTERISTICS												
Heating equipment		15 098	833	1 829	1 745	1 561	1 665	3 328	2 063	1 401	673	397
Steam or hot water system		847	47	91	80	71	104	131	147	118	58	417
Central warm-air furnace or electric heat pump		12 903	662	1 630	1 569	1 306	1 402	2 871	1 733	1 158	572	396
Other built-in electric units		563	15	15	29	39	56	175	121	88	25	471
Floor, wall, or pipeless furnace		290	65	36	44	60	41	38	6	—	—	300
Other means		495	44	57	23	85	62	113	56	37	18	381
Air conditioning		6 023	331	781	620	565	534	1 247	793	716	436	415
Central system		2 888	66	157	200	219	216	598	476	565	391	498
1 or more individual room units		3 135	265	624	420	346	318	649	317	151	45	337
House heating fuel		15 098	833	1 829	1 745	1 561	1 665	3 328	2 063	1 401	673	397
Utility gas		13 474	764	1 785	1 651	1 431	1 509	2 863	1 748	1 147	576	387
Bottled, tank, or LP gas		138	18	19	4	23	18	23	13	20	—	364
Electricity		1 257	34	19	55	76	112	400	265	205	91	484
Fuel oil, kerosene, etc.		62	5	1	17	—	14	—	14	5	6	379
Other		167	12	5	18	31	12	42	23	24	—	411

Table A-6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
Specified owner-occupied housing units -----	5 621	96	473	1 419	1 419	974	830	229	181	114
PERSONS IN UNIT										
1 person -----	1 404	39	231	423	314	195	110	60	32	101
2 persons -----	2 952	48	191	694	838	513	462	95	111	116
3 persons -----	717	—	30	198	169	145	114	36	25	119
4 persons -----	311	—	15	59	52	58	84	30	13	138
5 persons -----	171	9	6	24	37	48	39	8	—	130
6 persons -----	52	—	—	14	9	15	14	—	—	130
7 persons -----	14	—	—	7	—	—	7	—	—	125
8 or more persons -----	—	—	—	—	—	—	—	—	—	—
Median -----	1.98	1.69	1.53	1.91	1.97	2.07	2.16	2.07	2.03	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families -----	3 720	39	202	871	962	705	657	163	121	119
15 to 24 years -----	33	—	10	18	5	—	—	—	—	84
25 to 34 years -----	134	—	—	40	10	56	28	—	—	133
35 to 44 years -----	243	—	8	45	24	76	70	8	12	140
45 to 64 years -----	1 669	21	46	348	461	309	329	96	59	123
65 years and over -----	1 641	18	138	420	462	264	230	59	50	113
Male householder, no wife present -----	363	24	78	130	50	32	31	18	—	90
15 to 24 years -----	5	—	5	—	—	—	—	—	—	63
25 to 34 years -----	42	17	—	13	6	6	—	—	—	83
35 to 44 years -----	18	—	10	8	—	—	—	—	—	72
45 to 64 years -----	94	—	27	8	22	19	12	6	—	114
65 years and over -----	204	7	36	101	22	7	19	12	90	90
Female householder, no husband present -----	1 538	33	193	418	407	237	142	48	60	108
15 to 24 years -----	13	—	—	7	—	—	6	—	—	98
25 to 34 years -----	24	—	—	11	—	8	5	—	—	128
35 to 44 years -----	29	7	8	7	—	—	—	—	—	73
45 to 64 years -----	477	11	39	89	162	63	64	24	25	115
65 years and over -----	995	15	146	304	245	159	67	24	35	103
Median age -----	65.2	62.5	70.5	67.6	65.3	63.2	61.6	62.0	63.9	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980 -----	204	16	7	58	30	54	33	6	—	117
1975 to 1978 -----	618	24	42	160	95	131	96	15	55	122
1970 to 1974 -----	529	7	31	89	152	82	118	30	20	123
1960 to 1969 -----	1 237	13	85	218	297	260	243	87	34	126
1959 or earlier -----	3 033	36	308	694	845	447	340	91	72	108
ROOMS										
1 to 3 rooms -----	239	25	105	86	7	16	—	—	—	72
4 rooms -----	1 180	34	125	425	361	153	56	14	12	100
5 rooms -----	1 730	37	145	492	506	325	185	15	25	109
6 rooms -----	1 075	—	46	284	290	195	197	39	24	118
7 rooms -----	660	—	36	107	128	139	166	71	13	136
8 or more rooms -----	737	—	16	25	127	146	226	90	107	162
Median -----	5.3	4.2	4.5	4.9	5.2	5.5	6.4	7.2	8.1	...
YEAR STRUCTURE BUILT										
1975 to March 1980 -----	346	7	12	106	26	87	60	6	42	131
1970 to 1974 -----	207	7	—	6	78	28	53	15	20	136
1960 to 1965 -----	555	13	16	58	108	75	169	76	40	152
1950 to 1955 -----	1 710	8	80	413	426	330	336	89	28	121
1940 to 1949 -----	1 080	9	110	362	343	160	77	12	7	104
1939 or earlier -----	1 723	52	255	474	438	294	135	31	44	105
VALUE										
Less than \$10,000 -----	78	7	51	13	7	—	—	—	—	66
\$10,000 to \$19,999 -----	377	56	84	106	107	24	—	—	—	86
\$20,000 to \$29,999 -----	730	13	121	297	186	75	32	6	—	94
\$30,000 to \$39,999 -----	1 096	8	83	460	325	179	35	—	6	100
\$40,000 to \$49,999 -----	1 173	12	91	296	414	238	108	6	8	111
\$50,000 to \$59,999 -----	840	—	28	130	265	203	170	38	6	125
\$60,000 to \$79,999 -----	891	—	6	105	98	204	371	86	21	154
\$80,000 to \$99,999 -----	189	—	—	5	17	24	64	55	24	188
\$100,000 to \$149,999 -----	194	—	9	7	—	20	50	33	75	217
\$150,000 or more -----	53	—	—	—	7	—	5	41	—	250+
Median -----	\$44 600	\$15 000	\$27 300	\$36 000	\$42 400	\$48 900	\$64 700	\$76 500	\$124 500	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent -----	2 905	57	217	718	707	536	448	129	93	116
10 to 14 percent -----	1 221	18	129	279	354	155	207	49	30	113
15 to 19 percent -----	642	8	51	184	186	90	76	27	20	110
20 to 24 percent -----	291	—	40	132	32	73	14	—	95	—
25 to 29 percent -----	184	—	8	58	43	39	16	6	14	115
30 to 34 percent -----	109	5	15	16	23	15	29	6	6	120
35 percent or more -----	253	—	13	26	72	66	40	12	24	131
Not computed -----	16	8	—	6	2	—	—	—	—	62
Median -----	10—	10—	10.8	10—	10.0	10—	10—	10—	10—	...
SELECTED CHARACTERISTICS										
Hearing equipment -----	5 621	96	473	1 419	1 419	974	830	229	181	114
Steam or hot water system -----	566	—	21	93	68	113	159	61	51	147
Central warm-air furnace or electric heat pump -----	3 910	44	185	876	1 108	763	648	163	123	119
Other built-in electric units -----	135	—	19	50	32	13	9	5	7	99
Floor, wall, or pipeless furnace -----	381	7	72	188	61	46	7	—	—	90
Other means -----	629	45	176	212	150	39	7	—	—	86
Air conditioning -----	2 000	29	80	445	479	364	348	156	99	123
Central system -----	600	7	—	64	97	120	164	62	86	154
1 or more individual room units -----	1 400	22	80	381	382	244	184	94	13	114
House heating fuel -----	5 621	96	473	1 419	1 419	974	830	229	181	114
Utility gas -----	5 217	78	417	1 325	1 334	893	796	206	168	115
Bottled, tank, or LP gas -----	68	—	5	16	13	14	8	12	—	125
Electricity -----	195	8	26	50	38	35	20	11	7	109
Fuel oil, kerosene, etc. -----	92	5	10	12	27	26	6	—	6	118
Other -----	49	5	15	16	7	6	—	—	—	82

Table A-7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Owner-occupied housing units						Renter-occupied housing units						
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	
		26 920	6 348	3 654	4 561	8 720		12 971	2 074	1 713	1 927	4 260	2 997
<b>Occupied housing units</b>													
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	20 604	5 395	2 732	3 755	6 352	2 370	4 253	811	567	637	1 431	807	
15 to 24 years	855	400	94	89	158	114	948	168	179	136	296	169	
25 to 34 years	5 032	2 007	709	714	1 246	356	1 474	305	172	201	602	194	
35 to 44 years	4 491	1 601	824	871	859	336	623	119	75	112	226	91	
45 to 64 years	7 506	1 216	947	1 759	2 823	761	785	137	98	125	204	221	
65 years and over	2 720	171	158	322	1 266	803	423	82	43	63	103	132	
Male householder, no wife present	2 067	490	388	178	706	305	3 653	459	398	559	1 167	1 070	
15 to 24 years	203	72	28	26	47	30	1 168	132	101	229	466	240	
25 to 34 years	721	239	131	59	230	62	1 188	159	175	161	410	283	
35 to 44 years	374	91	105	23	134	21	345	62	17	59	65	142	
45 to 64 years	458	63	91	48	182	74	639	77	72	83	171	236	
65 years and over	311	25	33	22	113	118	313	29	33	27	55	169	
Female householder, no husband present	4 249	463	534	628	1 662	962	5 065	804	748	731	1 662	1 120	
15 to 24 years	118	28	24	24	19	23	1 408	266	201	200	533	208	
25 to 34 years	561	146	83	113	159	60	1 206	125	205	162	520	194	
35 to 44 years	601	95	155	108	194	49	424	93	61	66	103	101	
45 to 64 years	1 464	143	207	207	644	263	840	72	95	141	273	259	
65 years and over	1 505	51	65	176	646	567	1 187	248	186	162	233	358	
Median age	46.0	36.4	42.0	47.0	53.6	60.4	32.0	32.4	30.6	32.1	29.6	41.5	
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	4 550	2 361	506	548	845	290	7 665	1 606	1 024	1 182	2 522	1 331	
1975 to 1978	8 977	3 987	1 308	1 202	1 795	685	3 402	468	512	470	1 053	899	
1970 to 1974	4 456	—	1 840	832	1 281	503	979	—	177	130	290	382	
1960 to 1969	4 339	—	—	1 979	1 699	661	552	—	—	145	242	165	
1959 or earlier	4 598	—	—	—	3 100	1 498	373	—	—	—	153	220	
<b>ROOMS</b>													
1 room	34	6	6	10	12	—	541	34	131	48	113	215	
2 rooms	130	30	24	29	30	17	1 033	128	108	134	262	401	
3 rooms	616	67	76	86	245	142	2 738	380	219	348	1 029	762	
4 rooms	4 025	770	671	439	1 459	686	4 181	789	663	693	1 335	701	
5 rooms	6 661	1 513	928	857	2 330	1 033	2 393	404	364	337	791	497	
6 rooms	4 629	1 081	525	717	1 621	685	1 102	188	154	197	335	228	
7 or more rooms	10 825	2 881	1 424	2 423	3 023	1 074	983	151	74	170	395	193	
Median	5.9	6.2	5.7	6.7	5.7	5.4	4.0	4.1	4.1	4.0	3.7		
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
Complete plumbing for exclusive use	26 824	6 342	3 654	4 551	8 685	3 592	12 503	2 058	1 696	1 908	4 148	2 693	
0.50 or less	18 082	3 704	2 178	3 043	6 424	2 733	8 316	1 402	1 081	1 260	2 776	1 797	
0.51 to 1.00	8 351	2 512	1 396	1 454	2 194	795	3 817	598	590	573	1 251	805	
1.01 to 1.50	362	115	73	48	67	59	281	53	12	48	95	73	
1.51 or more	29	11	7	6	—	5	89	5	13	27	26	18	
Lacking complete plumbing for exclusive use	96	6	—	10	35	45	468	16	17	19	112	304	
0.50 or less	50	—	—	5	14	31	226	10	13	13	56	134	
0.51 to 1.00	29	—	—	5	10	14	209	6	—	6	37	160	
1.01 to 1.50	6	6	—	—	—	—	—	—	—	—	—	—	
1.51 or more	11	—	—	—	11	—	33	—	4	—	19	10	
<b>PERSONS IN UNIT</b>													
1 person	3 737	499	469	419	1 445	905	5 569	827	686	832	1 712	1 512	
2 persons	9 035	1 629	961	1 319	3 655	1 471	3 700	594	550	519	1 214	823	
3 persons	4 986	1 230	676	1 039	1 518	523	1 830	304	263	278	690	295	
4 persons	5 411	1 844	892	1 058	1 288	329	1 149	209	139	191	375	235	
5 persons	2 451	743	403	490	580	235	449	85	49	73	181	61	
6 or more persons	1 300	403	253	236	234	174	274	55	26	34	88	71	
Median	2.64	3.35	3.09	3.02	2.30	2.12	1.75	1.85	1.81	1.75	1.84	1.49	
Total persons	79 669	21 573	11 981	14 567	22 760	8 788	26 525	4 127	3 351	4 024	9 109	5 914	
<b>UNITS IN STRUCTURE</b>													
1, detached or attached	22 915	4 976	2 379	3 989	8 214	3 357	4 779	353	269	657	2 123	1 377	
2	796	145	80	53	367	151	2 038	245	145	347	901	400	
3 and 4	158	54	42	6	26	30	1 642	315	318	270	441	298	
5 to 9	114	15	24	9	27	39	1 725	423	241	152	437	472	
10 to 49	101	44	7	8	6	36	1 560	367	296	265	207	425	
50 or more	40	4	10	12	—	14	545	274	144	45	69	13	
Mobile home or trailer, etc.	2 796	1 110	1 112	484	80	10	682	97	300	191	82	12	
<b>SELECTED CHARACTERISTICS</b>													
Heating equipment	26 913	6 348	3 654	4 561	8 713	3 637	12 968	2 074	1 713	1 927	4 260	2 994	
Steam or hot water system	1 682	203	85	353	724	317	1 899	303	319	289	460	528	
Central warm-air furnace or electric heat pump	21 719	5 123	3 285	3 950	7 016	2 345	6 784	1 057	1 023	1 212	2 322	1 170	
Other built-in electric units	1 026	706	79	79	90	72	1 286	629	256	125	199	77	
Floor, wall, or pipeless furnace	821	61	54	77	281	348	967	17	51	94	482	323	
Other means	1 665	255	151	102	602	555	2 032	68	64	207	797	896	
Air conditioning	10 904	2 477	1 879	2 128	3 405	1 015	4 397	1 316	1 003	797	816	465	
Central system	4 880	1 777	1 167	990	777	169	1 506	517	389	338	184	78	
1 or more individual room units	6 024	700	712	1 138	2 628	846	2 891	799	614	459	632	387	
House heating fuel	26 913	6 348	3 654	4 561	8 713	3 637	12 968	2 074	1 713	1 927	4 260	2 994	
Utility gas	23 226	4 512	3 143	4 165	8 303	3 103	10 399	1 149	1 240	1 606	3 753	2 651	
Bottled, tank, or LP gas	784	190	210	148	126	110	1 344	47	84	60	77	76	
Electricity	2 041	1 486	165	126	154	110	1 884	844	375	236	308	121	
Fuel oil, kerosene, etc.	361	22	75	69	32	163	198	14	8	4	89	83	
Other	501	138	61	53	98	151	143	20	6	21	33	63	
Income in 1979 below poverty level	1 423	243	234	242	367	337	2 688	382	303	347	838	818	
Percent below poverty level	5.3	3.8	6.4	5.3	4.2	9.3	20.7	18.4	17.7	18.0	19.7	27.3	
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	1 687	250	223	256	491	467	2 906	436	308	315	855	992	
\$5,000 to \$9,999	3 070	310	392	398	1 122	848	3 170	455	518	394	1 123	680	
\$10,000 to \$12,499	1 595	282	218	206	587	302	1 487	145	197	302	526	317	
\$12,500 to \$14,999	1 800	405	207	232	685	271	1 212	261	103	199	360	289	
\$15,000 to \$19,999	4 244	1 119	621	612	1 330	562	1 805	286	246	304	635	334	
\$20,000 to \$24,999	4 348	1 246	552	673	1 515	362	1 087	179	152	249	290	217	
\$25,000 to \$34,999	5 751	1 554	806	1 154	1 735	502	817	175	113	98	326	105	
\$35,000 to \$49,999	2 913	806	412	602	853	240	315	80	47	47	104	37	
\$50,000 or more	1 512	376	223	428	402	83	172	57	29	19	41	26	
Median	\$21 137	\$23 273	\$21 472	\$24 156	\$20 434	\$14 359	\$10 688	\$12 510	\$10 387	\$12 107	\$10 722	\$8 451	
Mean	\$24 097	\$26 365	\$24 349	\$28 228	\$23 036	\$17 246</td							

Table A-8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA

The SMSA	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units	26 920	22 915	1 209	2 796	12 971	4 779	2 038	1 642	1 725	1 560	545	682
Condominium housing units	168	65	103	—	46	24	—	—	14	8	—	—
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families	20 604	18 040	669	1 895	4 253	2 188	708	447	362	261	47	240
15 to 24 years	855	523	17	315	948	345	228	128	116	46	6	79
25 to 34 years	5 032	4 332	141	559	1 474	833	231	149	122	56	—	83
35 to 44 years	4 491	4 139	105	247	623	367	78	68	38	24	—	48
45 to 64 years	7 506	6 661	268	577	785	468	94	67	61	64	7	24
65 years and over	2 720	2 385	138	197	423	175	77	35	25	71	34	6
Male householder, no wife present	2 067	1 524	247	296	3 653	1 152	467	461	653	553	126	241
15 to 24 years	203	112	47	44	1 168	376	250	137	183	143	10	69
25 to 34 years	721	543	74	104	1 188	390	122	211	229	136	27	73
35 to 44 years	374	279	45	50	345	124	23	55	62	54	13	14
45 to 64 years	458	356	47	55	639	156	64	38	99	173	24	85
65 years and over	311	234	34	43	313	106	8	20	80	47	52	—
Female householder, no husband present	4 249	3 351	293	605	5 065	1 439	863	734	710	746	372	201
15 to 24 years	118	50	25	43	1 408	320	268	264	267	206	27	56
25 to 34 years	561	414	14	133	1 206	426	224	135	168	157	12	84
35 to 44 years	601	501	35	65	424	163	60	64	40	61	—	36
45 to 64 years	1 464	1 159	79	226	840	286	152	151	96	118	33	4
65 years and over	1 505	1 227	140	138	1 187	244	159	120	139	204	300	21
Median age	46.0	46.3	51.3	41.3	32.0	32.8	29.2	30.0	29.1	37.0	74.7	30.4
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980	4 550	3 536	276	738	7 665	2 573	1 340	1 096	1 038	859	282	477
1975 to 1978	8 977	7 246	415	1 316	3 402	1 278	452	367	463	497	195	150
1970 to 1974	4 456	3 727	157	572	979	376	121	113	159	135	49	26
1960 to 1969	4 339	4 065	116	158	552	293	100	55	35	40	12	17
1959 or earlier	4 598	4 341	245	12	373	259	25	11	30	29	7	12
<b>ROOMS</b>												
1 room	34	23	—	11	541	63	6	38	118	134	182	—
2 rooms	130	56	17	57	1 033	144	111	182	238	263	83	12
3 rooms	616	374	44	198	2 738	663	532	353	407	522	213	48
4 rooms	4 025	2 710	318	997	4 181	1 189	789	694	610	444	58	397
5 rooms	6 661	5 250	304	1 107	2 393	1 184	354	295	233	153	9	165
6 rooms	4 629	4 055	244	330	1 102	722	169	60	80	30	—	41
7 or more rooms	10 825	10 447	282	96	983	814	77	20	39	14	—	19
Median	5.9	6.3	5.2	4.6	4.0	4.8	4.0	3.9	3.7	3.2	2.5	4.2
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use	26 824	22 869	1 171	2 784	12 503	4 739	1 992	1 594	1 555	1 407	539	677
0.50 or less	18 082	15 565	937	1 580	8 316	2 986	1 298	1 074	1 120	1 091	318	429
0.51 to 1.00	8 351	6 999	215	1 137	3 817	1 584	636	482	393	277	221	224
1.01 to 1.50	362	294	19	49	281	130	58	26	26	23	—	18
1.51 or more	29	11	—	18	89	39	—	12	16	16	6	—
Lacking complete plumbing for exclusive use	96	46	38	12	468	40	46	48	170	153	6	5
0.50 or less	50	25	25	—	226	23	31	30	84	47	6	5
0.51 to 1.00	29	11	13	5	209	17	15	7	64	106	—	—
1.01 to 1.50	6	6	—	—	—	—	—	—	—	—	—	—
1.51 or more	11	4	—	7	33	—	—	11	22	—	—	—
<b>BEDROOMS</b>												
None	45	28	6	11	764	71	29	78	153	238	195	—
1	864	597	131	136	4 071	1 028	739	591	693	705	284	31
2	7 433	5 493	548	1 392	5 764	1 949	1 007	892	776	575	66	499
3	11 615	10 036	375	1 204	1 808	1 222	246	69	103	42	—	126
4	5 241	5 097	96	48	464	409	17	12	—	—	—	26
5 or more	1 722	1 664	53	5	100	100	—	—	—	—	—	—
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000	1 687	1 332	65	290	2 906	887	415	353	414	472	254	111
\$5,000 to \$9,999	3 070	2 358	220	492	3 170	906	459	492	506	498	171	138
\$10,000 to \$12,499	1 595	1 201	125	269	1 487	573	256	131	191	159	28	149
\$12,500 to \$14,999	1 800	1 434	109	257	1 212	455	231	96	210	146	22	52
\$15,000 to \$19,999	4 244	3 575	138	531	1 805	754	340	260	187	144	29	91
\$20,000 to \$24,999	4 348	3 772	146	430	1 087	503	162	184	84	55	16	83
\$25,000 to \$34,999	5 751	5 137	226	388	817	476	110	78	52	56	12	33
\$35,000 to \$49,999	2 913	2 703	105	105	315	146	48	35	37	30	13	6
\$50,000 or more	1 512	1 403	75	34	172	79	17	13	44	—	—	19
Median	\$21 137	\$21 949	\$17 949	\$15 682	\$10 688	\$12 629	\$11 416	\$9 744	\$9 462	\$8 061	\$5 445	\$11 544
Mean	\$24 097	\$25 064	\$22 440	\$16 883	\$12 981	\$14 919	\$12 834	\$12 578	\$12 079	\$9 602	\$8 228	\$14 621
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment	26 913	22 908	1 209	2 796	12 968	4 776	2 038	1 642	1 725	1 560	545	682
Steam or hot water system	1 682	1 597	79	6	1 899	258	183	396	432	594	31	5
Central warm-air furnace or electric heat pump	21 719	18 282	930	2 507	6 784	2 870	1 249	802	612	467	219	565
Other built-in electric units	1 026	957	56	13	1 286	218	91	179	283	212	275	28
Floor, wall, or pipeless furnace	821	728	29	64	967	460	199	84	81	104	5	34
Other means	1 665	1 344	115	206	2 032	970	316	181	317	183	15	50
Air conditioning	10 904	8 749	570	1 585	4 397	1 002	468	657	539	824	521	386
Central system	4 880	3 862	307	711	1 506	326	219	254	166	194	152	195
Vehicles available	26 298	22 426	1 168	2 704	11 008	4 408	1 781	1 409	1 366	1 146	237	661
1	6 091	4 784	384	923	6 091	1 934	999	916	878	861	207	296
2 or more	20 207	17 642	784	1 781	4 917	2 474	782	493	488	305	365	—
House heating fuel	26 913	22 908	1 209	2 796	12 968	4 776	2 038	1 642	1 725	1 560	545	682
Utility gas	23 226	19 930	1 057	2 239	10 399	4 133	1 784	1 323	1 361	1 145	190	463
Bottled, tank, or LP gas	784	415	21	348	344	165	21	21	6	6	—	125
Electricity	2 041	1 812	89	140	1 884	302	188	282	338	345	355	74
Fuel oil, kerosene, etc.	361	329	15	17	198	101	38	—	20	30	—	9
Other	501	422	27	52	143	75	7	16	—	34	—	11
Water heating fuel	26 907	22 902	1 209	2 796	12 944	4 776	2 038	1 629	1 725	1 554	545	677
Utility gas	22 321	19 425	1 022	1 874	10 145	4 018	1 736	1 222	1 368	1 088	259	454
Bottled, tank, or LP gas	696	394	21	281	433	138	51	66	21	44	—	113
Electricity	3 847	3 036	158	633	2 290	602	251	332	325	399	286	95
Fuel oil, kerosene, etc.	21	21	—	—	39	13	—	—	11	6	—	9
Other	22	6	8	8	37	5	—	9	—	17	—	6
Family householder	22 725	19 789	792	2 144	6 003	2 941	947	686	606	399	58	366
With own children under 18 years	12 188	10 752	295	1 141	3 600	1 837	547	422	349	201	—	244
With own children under 6 years	4 969	4 187	144	638	2 093	975	375	269	216	109	—	149
Female householder, no husband present	1 739	1 450	78	211	1 415	606	203	180	190	123	11	102
With own children under 18 years	1 027	847	29	151	1 096	452	147	146	144	116	—	91
With own children under 6 years	235	167	15	53	540	179	97	74	94	61	—	35
Nonfamily householder	4 195	3 126	417	652	6 968	1 838	1 091	956	1 119	1 161	487	316
Income in 1979 below poverty level	1 423	1 115	7									

Table A-9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied housing units	26 920	3 737	9 035	4 986	5 411	2 451	887	292	121	2.64	79 669
Nonrelatives present	817	—	370	232	115	36	32	32	—	2.67	2 476
<b>ROOMS</b>											
1 to 3 rooms	780	297	331	60	70	13	9	—	—	1.78	1 564
4 rooms	4 025	1 272	1 864	462	305	82	33	—	7	1.90	8 293
5 rooms	6 661	1 035	2 491	1 426	1 118	477	78	36	—	2.42	18 061
6 rooms	4 629	490	1 761	919	863	413	150	26	7	2.57	13 518
7 rooms	3 857	342	1 176	745	988	387	107	76	36	3.05	12 272
8 or more rooms	6 968	301	1 412	1 374	2 067	1 079	510	154	71	3.69	25 961
Median	5.9	4.8	5.4	6.1	6.9	7.1	8.0	7.8	8.0	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	26 824	3 708	9 003	4 981	5 406	2 438	883	284	121	2.64	79 390
Nonrelatives present	26 433	3 708	9 003	4 975	5 336	2 356	767	222	66	2.60	77 239
1.00 or less	362	—	—	6	59	76	111	62	48	5.86	1 994
1.01 to 1.50	29	—	—	—	11	6	5	—	7	5.08	155
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
Lacking complete plumbing for exclusive use	96	29	32	5	5	13	4	8	—	2.09	279
1.00 or less	79	29	32	5	5	—	—	8	—	1.83	184
1.01 to 1.50	6	—	—	—	—	6	—	—	—	5.00	35
1.51 or more	11	—	—	—	—	7	4	—	—	5.29	60
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	22 915	2 813	7 553	4 339	4 797	2 220	834	255	104	2.75	68 565
2 or more	1 209	372	458	143	124	61	22	19	10	2.01	3 231
Mobile home or trailer, etc.	2 796	552	1 024	504	490	170	31	18	7	2.33	7 873
<b>VALUE</b>											
Specified owner-occupied housing units	20 726	2 567	6 871	3 886	4 355	2 015	728	207	97	2.74	61 426
Less than \$10,000	114	55	43	—	9	7	—	—	—	1.55	215
\$10,000 to \$19,999	489	152	224	55	26	32	—	—	—	1.91	957
\$20,000 to \$29,999	1 097	279	515	147	53	73	24	6	—	2.02	2 335
\$30,000 to \$39,999	1 986	557	788	252	207	129	39	7	7	2.05	4 315
\$40,000 to \$49,999	3 997	602	1 468	819	689	285	88	39	7	2.45	10 411
\$50,000 to \$59,999	4 874	406	1 600	983	1 142	459	181	55	48	2.94	15 586
\$60,000 to \$79,999	5 181	335	1 564	1 045	1 339	574	244	61	19	3.16	16 960
\$80,000 to \$99,999	1 719	95	354	342	511	303	75	34	5	3.63	6 129
\$100,000 to \$149,999	1 026	69	221	212	326	129	53	5	11	3.53	3 650
\$150,000 or more	243	17	94	31	53	24	24	—	—	2.84	868
Median	\$54 700	\$44 300	\$52 100	\$55 800	\$60 500	\$60 700	\$62 100	\$58 700	\$58 400	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	26 920	3 737	9 035	4 986	5 411	2 451	887	292	121	2.64	79 669
Median income	\$21 137	\$9 739	\$19 896	\$22 650	\$24 796	\$26 305	\$25 417	\$29 167	\$25 078	...	...
Median selected monthly owner costs as percentage of household income	17.7	21.9	14.1	17.7	19.7	19.0	20.1	16.1	23.9	...	...
With a mortgage	20.9	30.8	20.2	20.2	20.6	20.1	20.8	17.2	23.9	...	...
Not mortgaged	10—	16.4	10—	10—	10—	10—	10—	10—	—	—	—
Income in 1979 below poverty level	1 423	447	338	209	235	103	62	22	7	2.28	...
Median income	\$2 906	\$2500—	\$3 179	\$3 034	\$3 467	\$4 766	\$3 571	\$6 250	\$11 250	...	...
Median selected monthly owner costs as percentage of household income	50+	48.7	36.5	50+	50+	50+	50+	—	45.0	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	—	45.0	...	...
Not mortgaged	36.7	38.5	29.5	50+	50+	50+	50+	—	—	...	...
Renter-occupied housing units	12 971	5 569	3 700	1 830	1 149	449	132	97	45	1.75	26 525
Nonrelatives present	1 752	—	1 165	344	175	35	7	26	—	2.25	4 198
<b>ROOMS</b>											
1 room	541	480	30	23	8	—	—	—	—	1.06	612
2 rooms	1 033	858	131	26	18	—	—	—	—	1.10	1 275
3 rooms	2 738	1 839	719	110	42	21	—	7	—	1.24	3 973
4 rooms	4 181	1 535	1 493	691	372	73	13	4	—	1.87	8 422
5 rooms	2 393	615	863	496	264	88	38	18	11	2.17	5 567
6 rooms	1 102	149	232	280	243	90	47	48	13	3.11	3 444
7 or more rooms	983	93	232	204	202	177	34	20	21	3.32	3 232
Median	4.0	3.3	4.1	4.6	5.0	6.0	5.8	5.9	6.4	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	12 503	5 227	3 632	1 795	1 138	437	132	97	45	1.78	25 846
Nonrelatives present	12 133	5 227	3 612	1 757	1 070	355	81	20	11	1.73	23 846
1.00 or less	281	—	—	26	42	73	51	66	23	5.49	1 556
1.01 to 1.50	89	—	20	12	26	9	—	11	11	3.98	444
1.51 or more	468	342	68	35	11	12	—	—	—	1.18	679
Lacking complete plumbing for exclusive use	435	342	58	24	11	—	—	—	—	1.14	574
1.00 or less	33	—	10	11	—	12	—	—	—	3.09	105
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	4 779	1 370	1 398	861	644	311	94	70	31	2.23	11 996
2	2 038	820	666	275	201	23	32	7	14	1.80	4 165
3 and 4	1 642	723	491	291	106	27	—	4	—	1.70	3 065
5 to 9	1 725	922	486	192	77	40	—	8	—	1.44	2 907
10 to 49	1 560	1 051	358	80	47	24	—	—	—	1.24	2 286
50 or more	545	477	62	6	—	—	—	—	—	1.07	577
Mobile home or trailer, etc.	682	206	239	125	74	24	6	8	—	2.06	1 529
<b>GROSS RENT</b>											
Specified renter-occupied housing units	12 504	5 410	3 579	1 742	1 083	421	127	97	45	1.74	25 336
Less than \$100	883	721	105	39	13	5	—	—	—	1.11	1 109
\$100 to \$149	1 280	853	268	86	55	6	6	—	6	1.25	2 030
\$150 to \$199	2 230	1 295	610	183	76	33	33	—	—	1.36	3 861
\$200 to \$249	2 570	1 162	850	330	165	47	8	8	—	1.64	4 950
\$250 to \$299	1 955	597	677	362	234	48	9	24	4	2.06	4 482
\$300 to \$349	1 632	359	510	403	225	89	12	23	11	2.40	3 880
\$350 to \$399	640	102	198	116	96	77	18	26	7	2.67	1 626
\$400 to \$499	576	62	129	134	152	66	16	—	17	3.22	1 546
\$500 or more	241	62	45	40	35	23	20	16	—	2.84	812
No cash rent	497	197	187	49	32	27	5	—	—	1.78	1 040
Median	\$229	\$191	\$242	\$276	\$296	\$333	\$321	\$336	\$361	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	12 971	5 569	3 700	1 830	1 149	449	132	97	45	1.75	26 525
Median income	\$10 688	\$7 636	\$12 862	\$13 349	\$14 796	\$16 914	\$18 194	\$20 521	\$11 875	...	...
Median gross rent as percentage of household income	25.3	27.6	23.0	24.8	25.3	22.4	23.5	25.6	37.7	...	...
Income in 1979 below poverty level	2 688	1 186	616	411	306	76	38	31	24	1.76	...
Median income	\$3 303	\$2500—	\$3 675	\$4 178	\$4 299	\$4 259	\$4 833	\$8 565	\$9 167	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	50+	37.1	50+	50+	...	...

Table A-10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendices A and B.]

The SMSA		Married-couple families						Male householder, no wife present						Female householder, no husband present					
		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Median age	
Total	26 220	855	5 032	4 491	7 506	2 720	203	721	374	458	311	118	561	601	1 464	1 505	46.0		
Owner-occupied housing units	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
<b>PERSONS IN UNIT</b>																			
1 person	3 737	397	948	1 233	349	3 582	2 411	109	464	226	328	246	39	187	115	773	1 250	60.2	
2 persons	9 035	4 986	278	1 978	1 767	1 789	247	56	158	70	52	55	24	123	137	380	221	57.7	
3 persons	5 411	2 451	27	1 097	1 087	587	6	-	38	52	11	5	-	213	188	205	23	42.8	
4 persons	1 300	6	30	241	641	340	206	8	5	21	6	-	-	67	61	11	-	37.3	
5 persons	2 634	2 611	6	4 21	4 21	2 40	1 33	1 28	1 28	7	8	-	54	23	22	15	-	39.2	
6 or more persons	79 669	2 429	18 660	19 487	22 547	5 758	331	1 137	1 137	1 133	1 20	1 13	1 86	2 26	2 73	1 45	1 10	41.1	
Total persons	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	400	406	246	1 279	1 689	2 621	1 752	-----	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																			
Complete plumbing for exclusive use	26 824	855	5 027	4 478	7 492	2 693	203	721	374	458	294	118	561	601	1 451	1 498	46.0		
1.01 or more persons per room	391	12	113	135	107	4	27	-	-	-	-	17	-	-	6	7	39.5		
Lacking complete plumbing for exclusive use	96	17	5	13	14	4	-	-	-	-	-	-	-	-	-	7	65.5		
1.01 or more persons per room	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	38.3		
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																			
Specified owner-occupied housing units	20 726	523	4 051	3 674	5 853	2 132	107	503	263	288	227	42	406	446	1 047	1 142	45.9		
With a mortgage	15 105	490	3 917	3 431	4 184	1 003	2 348	160	461	245	194	23	29	384	437	147	39.9		
Less than 15 percent	4 352	52	384	2 701	720	794	657	68	31	64	50	-	-	59	84	18	48.0		
15 to 19 percent	2 490	113	977	1 872	92	280	423	67	11	44	46	-	-	67	73	14	39.2		
20 to 24 percent	1 179	44	817	1 179	449	267	155	56	10	87	19	-	-	40	35	21	35.7		
25 to 29 percent	2 409	108	590	1 022	423	310	101	38	121	79	23	10	12	42	28	14	35.4		
30 to 34 percent	109	-	-	20.9	24.3	19.4	13.9	-	-	-	46	40	11	29	162	174	80		
35 percent or more	109	-	-	5 621	33	243	1 641	23.8	28.2	19.9	19.4	5	-	50+	34.5	12	37.2		
Not computed	-----	-----	-----	2 905	33	134	1 739	5	42	18	19.4	204	13	24	27.4	47.4	43.1		
Median	-----	-----	-----	2 905	33	98	187	1 604	28	10	64	55	-	7	21	146	995	65.2	
Less than 10 percent	1 221	-	-	2 905	33	23	42	429	-	6	8	-	-	7	4	16	208	60.7	
10 to 14 percent	6	-	-	2 905	33	5	77	280	-	8	-	-	-	8	-	8	259	68.0	
15 to 19 percent	642	-	-	2 905	33	-	-	69	-	-	5	-	-	-	19	164	163	70.3	
20 to 24 percent	291	-	-	2 905	33	-	-	42	-	-	6	-	-	-	6	19	144	75.2	
25 to 29 percent	184	-	-	2 905	33	-	-	36	-	-	8	-	-	-	8	136	75	69.2	
30 to 34 percent	109	-	-	2 905	33	7	9	31	46	-	17	-	-	-	5	51	51	76.5	
35 percent or more	253	-	-	16	-	-	-	8	-	-	10	-	-	-	5	-	31	95	
Not computed	-----	-----	-----	10-	10-	10-	10-	10.9	-	10-	10-	-	-	14.8	14.6	10-	-	40.0	
Median	-----	-----	-----	10-	10-	10-	10-	10.9	-	10-	10-	-	-	14.8	15.6	10-	12.6	15.9	
Renter-occupied housing units	-----	-----	-----	12 971	948	1 474	623	785	423	1 168	345	639	313	1 408	1 206	424	840	1 187	32.0
<b>PERSONS IN UNIT</b>																			
1 person	5 569	-	-	3 700	489	432	88	-	607	808	239	529	271	657	579	161	568	1 150	38.1
2 persons	830	396	1 449	1 449	136	165	128	145	389	432	277	76	34	231	94	99	29	28.0	
3 persons	149	14	274	274	37	203	109	109	103	41	14	13	8	272	86	76	8	29.4	
4 persons	449	-	247	247	-	116	50	50	22	54	13	8	-	44	82	38	53	31.9	
5 persons	274	-	247	247	-	116	50	50	8	-	8	-	-	27	11	32	-	33.8	
6 or more persons	26 525	2 396	4 803	4 803	12	2 654	2 172	2 880	1 801	1 733	1 46	1 24	1 22	1 08	1 58	1 08	1 5	34	39.7
Total persons	-----	-----	-----	12 971	948	1 474	623	785	423	1 168	1 118	311	569	256	1 357	1 187	409	840	1 151
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																			
Complete plumbing for exclusive use	12 503	931	1 462	623	769	417	1 103	1 118	1 118	1 118	311	569	256	1 357	1 187	409	840	1 151	
1.01 or more persons per room	370	15	75	120	22	6	65	70	34	70	34	-	-	26	51	19	15	-	36.6
Lacking complete plumbing for exclusive use	468	17	12	-	-	-	-	-	-	-	-	-	-	57	51	19	-	-	35.0
1.01 or more persons per room	-----	-----	33	4	-	-	-	-	-	-	-	-	-	10	-	-	-	23.0	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																			
Specified rent-occupied housing units	12 504	919	1 389	589	716	402	1 158	1 153	313	622	276	1 400	1 175	419	813	1 160	31.8		
Less than 15 percent	2 100	88	347	135	228	43	178	252	104	262	38	97	129	46	87	66	34.3		
15 to 19 percent	936	164	325	96	149	86	179	219	58	89	17	109	171	16	163	120	31.5		
20 to 24 percent	836	187	198	86	80	53	189	219	24	47	30	171	178	59	109	206	29.7		
25 to 29 percent	1 408	141	191	56	75	48	147	125	28	35	29	81	153	65	80	154	31.3		
30 to 34 percent	925	116	100	17	19	51	110	90	11	23	31	90	86	41	47	93	30.3		
35 to 49 percent	1 559	68	112	78	26	66	143	33	50	47	28	142	91	97	174	174	30.9		
50 percent or more	2 121	129	99	73	57	44	160	80	40	33	61	498	87	94	243	243	30.2		
Not computed	619	26	17	48	82	44	52	25	15	33	23	65	35	14	36	104	46.8		
Median	25.3	20.4	22.3	18.0	27.3	22.1	25.2	22.1	18.9	16.8	32.0	40.0	28.0	26.8	32.0	29.4	31.8		

Table A-11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA

	Male householder							Female householder						
	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		
Owner-occupied housing units	3 737	1 373	109	464	226	328	246	2 364	39	187	115	773	1 250	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	3 708	1 364	109	464	226	328	237	2 344	39	187	115	760	1 243	
Lacking complete plumbing for exclusive use	29	9	—	—	—	—	9	20	—	—	—	13	7	
UNITS IN STRUCTURE														
1, detached or attached	2 813	1 024	64	353	177	247	183	1 789	15	122	77	551	1 024	
2 or more	372	172	23	52	33	38	26	200	12	5	21	62	100	
Mobile home or trailer, etc.	552	177	22	59	16	43	37	375	12	60	17	160	126	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	881	260	17	70	6	58	109	621	—	33	12	137	439	
\$5,000 to \$9,999	1 034	204	13	43	15	58	75	830	39	32	38	283	438	
\$10,000 to \$12,499	368	69	12	23	10	11	13	299	—	38	19	138	104	
\$12,500 to \$14,999	399	148	28	88	6	14	12	251	—	59	5	82	105	
\$15,000 to \$19,999	415	243	15	118	61	35	14	172	—	25	23	69	55	
\$20,000 to \$24,999	345	214	12	55	58	72	17	131	—	—	13	53	65	
\$25,000 to \$34,999	160	123	5	42	35	41	—	37	—	—	5	5	27	
\$35,000 to \$49,999	52	40	—	11	5	24	—	12	—	—	—	—	12	
\$50,000 or more	83	72	7	14	30	15	6	11	—	—	6	6	—	
Median	\$9 739	\$15 107	\$13 616	\$15 426	\$20 915	\$16 983	\$5 745	\$8 168	\$7 321	\$11 875	\$10 987	\$9 308	\$6 860	
Mean	\$13 453	\$19 678	\$17 853	\$17 216	\$36 538	\$19 823	\$9 445	\$9 837	\$7 519	\$11 056	\$12 241	\$10 601	\$9 033	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS														
Specified owner-occupied housing units	2 567	925	59	328	161	196	181	1 642	15	116	77	490	944	
With a mortgage	1 163	637	34	292	143	131	17	526	15	103	62	227	119	
Less than \$200	134	65	15	21	9	20	—	69	—	—	7	51	11	
\$200 to \$249	146	70	11	—	14	34	11	76	—	—	4	48	24	
\$250 to \$299	133	37	—	14	18	5	—	96	—	13	18	34	31	
\$300 to \$349	213	103	14	63	—	20	6	110	—	35	33	25	17	
\$350 to \$399	126	77	—	27	39	11	—	49	7	21	—	21	—	
\$400 to \$449	229	175	7	114	19	35	—	54	8	21	—	20	5	
\$500 to \$599	132	72	7	43	22	—	—	60	—	7	—	22	31	
\$600 to \$749	22	16	—	3	13	—	—	6	—	6	—	—	—	
\$750 or more	28	22	—	7	9	6	—	6	—	—	6	—	—	
Median	\$340	\$378	\$304	\$420	\$389	\$316	\$239	\$310	\$403	\$358	\$303	\$271	\$290	
Not mortgaged	1 404	288	5	36	18	65	164	1 116	—	13	15	263	825	
Less than \$50	39	24	—	17	—	—	7	15	—	—	—	—	15	
\$50 to \$74	231	57	5	—	10	11	31	174	—	—	8	26	140	
\$75 to \$99	423	109	—	13	8	8	80	314	—	7	55	252	252	
\$100 to \$124	314	44	—	—	—	22	22	270	—	—	—	75	195	
\$125 to \$149	195	25	—	6	—	19	—	170	—	8	—	39	123	
\$150 to \$199	110	17	—	—	—	5	12	93	—	5	—	31	57	
\$200 to \$249	60	12	—	—	—	—	12	48	—	—	—	24	24	
\$250 or more	32	—	—	—	—	—	—	32	—	—	—	13	19	
Median	\$101	\$89	\$63	\$77	\$72	\$115	\$89	\$105	—	\$145	\$73	\$117	\$101	
SELECTED CHARACTERISTICS														
Median selected monthly owner costs as percentage of household income in 1979	21.9	22.9	16.8	29.0	17.7	17.2	20.4	21.4	50+	35.7	21.6	22.4	19.5	
With a mortgage	30.8	27.2	18.6	29.8	18.8	18.9	50+	35.5	50+	36.0	23.8	33.8	46.4	
Not mortgaged	16.4	13.3	10—	10—	10—	10—	18.4	17.0	—	19.1	15.3	14.5	17.9	
Income in 1979 below poverty level	447	134	6	56	6	41	25	313	—	12	—	112	189	
Percent below poverty level	12.0	9.8	5.5	12.1	2.7	12.5	10.2	13.2	—	6.4	—	14.5	15.1	
Renter-occupied housing units	5 569	2 454	607	808	239	529	271	3 115	657	579	161	568	1 150	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	5 227	2 172	556	738	205	459	214	3 055	639	573	161	568	1 114	
Lacking complete plumbing for exclusive use	342	282	51	70	34	70	57	60	18	6	—	—	36	
UNITS IN STRUCTURE														
1, detached or attached	1 370	709	182	229	74	127	97	661	85	163	44	147	222	
2	820	249	129	59	6	55	—	571	132	147	23	118	151	
3 and 4	723	278	57	134	42	38	7	445	116	50	48	111	120	
5 to 9	922	492	135	182	41	66	68	430	136	96	8	58	132	
10 to 49	1 051	484	84	136	49	168	47	567	134	100	26	103	204	
50 or more	477	116	—	27	13	24	52	361	27	7	—	27	300	
Mobile home or trailer, etc.	206	126	20	41	14	51	—	80	27	16	12	4	21	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	1 881	631	148	123	30	141	189	1 250	273	81	41	234	621	
\$5,000 to \$9,999	1 677	613	220	173	80	93	47	1 064	274	234	63	143	350	
\$10,000 to \$12,499	665	338	75	166	13	78	6	327	38	104	26	73	86	
\$12,500 to \$14,999	467	199	37	88	28	41	5	268	50	94	18	47	59	
\$15,000 to \$19,999	469	358	87	168	38	53	12	111	6	59	13	15	18	
\$20,000 to \$24,999	229	169	27	49	21	65	7	60	7	—	—	37	16	
\$25,000 to \$34,999	86	80	7	22	15	31	5	6	—	—	6	—	—	
\$35,000 to \$49,999	63	47	6	13	8	20	—	16	9	7	—	—	—	
\$50,000 or more	32	19	—	6	7	—	—	13	—	—	13	—	—	
Median	\$7 636	\$9 869	\$8 740	\$11 627	\$11 827	\$10 978	\$4 031	\$6 349	\$5 754	\$9 541	\$8 848	\$6 761	\$4 768	
Mean	\$9 248	\$11 289	\$9 606	\$12 255	\$14 329	\$13 142	\$5 882	\$7 640	\$6 815	\$9 698	\$8 615	\$9 353	\$6 092	
GROSS RENT														
Specified renter-occupied housing units	5 410	2 361	602	780	227	518	234	3 049	657	557	161	551	1 123	
Less than \$100	721	335	13	82	21	108	111	386	12	—	5	79	290	
\$100 to \$149	853	364	92	78	44	136	14	489	120	78	13	95	183	
\$150 to \$199	1 295	582	218	222	22	90	30	713	155	174	40	111	233	
\$200 to \$249	1 162	508	166	171	64	72	35	654	217	159	45	103	130	
\$250 to \$299	597	260	33	129	49	38	11	337	52	89	20	65	111	
\$300 to \$349	359	138	47	43	9	25	14	221	61	38	7	48	67	
\$350 to \$399	102	49	15	27	—	7	—	53	10	6	14	13	10	
\$400 to \$449	62	15	—	9	6	—	—	47	9	6	17	6	9	
\$500 or more	62	35	10	12	—	13	—	27	7	7	—	7	6	
No cash rent	197	75	8	7	12	29	19	122	14	—	—	24	84	
Median	\$191	\$191	\$195	\$201	\$220	\$151	\$95	\$192	\$206	\$207	\$228	\$186	\$157	
SELECTED CHARACTERISTICS														
Median gross rent as percentage of household income in 1979	27.6	23.7	28.5	22.6	18.0	17.2	33.6	30.9	44.2	25.2	36.1	27.8	29.7	
Income in 1979 below poverty level	1 186	374	82	61	15	99	117	812	197	69	34	180	332	
Percent below poverty level	21.3	15.2	13.5	7.5	6.3	18.7	43.2	26.1	30.0	11.9	21.1	31.7	28.9	

Table A-12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

The SMSA	Total	Less than 2 months			2 up to 6 months			6 or more months			The SMSA	Total	Less than 2 months			2 up to 6 months			
		151	223	175	1366	836	355	175					1366	836	355	175			
Vacant for sale only housing units	549										Vacant for rent housing units	1 366							
ROOMS											ROOMS								
1 to 3 rooms	22	6	4	12	1 room	55	23	21	11										
4 rooms	76	22	32	22	2 rooms	123	78	28	17										
5 rooms	137	26	76	35	3 rooms	360	207	82	71										
6 rooms	140	52	52	36	4 rooms	462	278	164	20										
7 rooms	76	8	34	34	5 rooms	241	178	18	45										
8 or more rooms	98	37	25	36	6 rooms	86	47	28	11										
Median	5.8	5.9	5.5	6.0	7 or more rooms	39	25	14	—										
PLUMBING FACILITIES					Median	3.8	3.9	3.8	3.3										
Complete plumbing for exclusive use	537	151	223	163	PLUMBING FACILITIES														
Locking complete plumbing for exclusive use	12	—	—	12	Complete plumbing for exclusive use	1 294	803	343	148										
BEDROOMS					Locking complete plumbing for exclusive use	72	33	12	27										
None	4	—	4	—	BEDROOMS														
1	18	6	—	12	None	55	23	21	11										
2	160	56	73	31	1	516	318	115	83										
3	267	68	113	86	2	560	340	166	54										
4	76	11	28	37	3	196	137	32	27										
5 or more	24	10	5	9	4	31	18	13	—										
YEAR STRUCTURE BUILT					5 or more	8	—	8	—										
1975 to March 1980	324	50	170	104	YEAR STRUCTURE BUILT														
1970 to 1974	39	11	16	12	1975 to March 1980	240	143	85	12										
1960 to 1969	45	26	5	14	1970 to 1974	188	106	66	16										
1950 to 1959	69	36	9	24	1960 to 1969	94	62	13	19										
1940 to 1949	29	15	10	4	1950 to 1959	193	153	26	14										
1939 or earlier	43	13	13	17	1940 to 1949	265	144	47	74										
UNITS IN STRUCTURE					1939 or earlier	386	228	118	40										
1, detached or attached	477	125	183	169	UNITS IN STRUCTURE														
2 or more	37	9	22	6	1, detached or attached	454	272	104	78										
Mobile home or trailer	35	17	18	—	2	161	109	28	24										
HEATING EQUIPMENT					3 and 4	193	112	51	30										
Central heating system	525	145	213	167	5 to 9	249	119	109	21										
Other means	24	6	10	8	10 to 49	160	131	23	6										
None	—	—	—	—	50 or more	26	26	—	—										
PRICE ASKED					Mobile home or trailer	123	67	40	16										
Specified vacant for sale only housing units	459	111	183	165	RENT ASKED														
Less than \$10,000	—	—	—	—	Specified vacant for rent housing units	1 366	836	355	175										
\$10,000 to \$19,999	13	6	7	—	Less than \$100	118	54	28	36										
\$20,000 to \$29,999	12	—	—	—	\$100 to \$149	231	129	47	55										
\$30,000 to \$39,999	24	3	11	10	\$150 to \$199	364	211	104	49										
\$40,000 to \$49,999	81	33	38	10	\$200 to \$249	227	176	47	4										
\$50,000 to \$59,999	78	16	37	25	\$250 to \$299	323	201	91	31										
\$60,000 to \$79,999	177	39	84	54	\$300 to \$399	68	37	31	—										
\$80,000 to \$99,999	53	10	6	37	\$400 or more	35	28	7	—										
\$100,000 or more	21	4	—	17	Median	\$194	\$204	\$198	\$146										
Median	\$65 100	\$54 200	\$59 300	\$75 700															

Table A-13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B]

The SMSA	Price asked—Specified vacant for sale only housing units						Rent asked—Specified vacant for rent housing units							
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
Total	459	—	25	105	308	21	65 100	1 366	118	595	550	68	35	194
PLUMBING FACILITIES														
Complete plumbing for exclusive use	451	—	17	8	—	21	65 500	1 294	80	567	544	68	35	200
Locking complete plumbing for exclusive use	8	—	—	—	—	—	26 300	72	38	28	6	—	—	95
BEDROOMS														
None	4	—	—	4	—	—	42 500	55	26	23	6	—	—	142
1	18	—	14	—	4	—	25 900	516	55	346	94	9	12	161
2	92	—	4	32	52	4	52 100	560	26	152	345	33	4	225
3	245	—	7	59	169	10	65 100	196	11	66	95	20	4	218
4	76	—	—	5	64	7	74 600	31	—	—	10	6	15	396
5 or more	24	—	—	5	19	—	78 900	8	—	8	—	—	—	155
YEAR STRUCTURE BUILT														
1975 to March 1980	275	—	11	29	214	21	68 700	240	—	36	190	14	—	276
1970 to 1974	28	—	—	7	21	—	70 600	188	—	29	125	19	15	257
1960 to 1969	40	—	—	3	37	—	76 000	94	7	34	34	11	8	209
1950 to 1959	52	—	14	19	19	—	45 000	193	—	103	85	5	—	191
1940 to 1949	25	—	—	15	10	—	47 500	265	35	142	72	4	12	169
1939 or earlier	39	—	—	32	7	—	45 500	386	76	251	44	15	—	153
UNITS IN STRUCTURE														
1, detached or attached	459	—	25	105	308	21	65 100	454	64	210	131	30	19	163
2 or more	...	...	...	...	...	...	...	789	54	332	357	30	16	203
Mobile home or trailer	...	...	...	...	...	...	...	123	—	53	62	8	—	208

Table B-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## Billings city

## Specified owner-occupied housing units

## HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

## Married-couple families

	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
15 to 24 years	10 248	15	136	371	718	1 922	2 688	2 853	937	507	101	57 000	61 700
25 to 34 years	2 225	—	11	18	81	524	708	662	154	59	8	49 300	50 800
35 to 44 years	2 015	—	6	25	37	258	578	645	276	149	41	56 300	59 900
45 to 64 years	4 107	—	30	164	307	686	1 008	1 143	467	258	44	63 400	70 700
65 years and over	1 624	15	89	161	259	343	316	352	40	41	8	58 500	63 500
Male householder, no wife present	884	7	51	125	109	158	175	208	22	22	7	49 600	51 500
15 to 24 years	91	—	—	—	20	27	33	6	5	—	—	48 900	51 300
25 to 34 years	304	—	16	40	6	81	70	79	4	8	—	51 100	51 600
35 to 44 years	173	—	10	8	23	6	12	93	7	14	—	64 400	64 600
45 to 64 years	159	7	—	28	14	32	41	30	—	—	7	48 800	54 600
65 years and over	157	—	25	49	46	12	19	6	—	—	—	31 000	33 900
Female householder, no husband present	2 457	22	88	211	449	683	459	377	95	45	28	47 100	50 100
15 to 24 years	34	—	—	7	—	21	—	6	—	—	—	43 600	45 100
25 to 34 years	320	7	—	21	88	59	62	73	—	10	—	46 300	49 500
35 to 44 years	355	7	—	6	55	119	81	60	27	—	—	49 400	51 800
45 to 64 years	851	—	43	87	98	252	190	113	40	12	16	48 400	51 700
65 years and over	897	8	45	90	208	232	126	125	28	23	12	44 000	48 300
Median age	49.3	65.7	68.1	62.7	59.8	49.0	45.6	45.8	46.6	48.5	49.3	... ...	...

## YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980	1 837	—	9	51	126	386	433	585	114	98	35	57 800	63 800
1975 to 1978	3 675	—	22	93	217	700	928	1 080	431	177	27	58 700	63 400
1970 to 1974	2 234	7	40	93	166	375	637	566	237	95	18	56 100	60 700
1960 to 1969	2 801	7	33	143	241	612	725	680	192	137	31	54 100	59 200
1959 or earlier	3 042	30	171	327	526	690	599	527	80	67	25	47 100	49 200

## ROOMS

1 to 3 rooms	266	—	35	77	59	27	58	6	—	4	—	32 800	37 000
4 rooms	1 500	29	77	265	378	405	225	94	20	7	—	40 400	40 300
5 rooms	3 124	15	101	208	398	1 055	733	549	60	5	—	48 100	48 200
6 rooms	2 291	—	20	86	221	566	671	593	118	16	—	53 500	54 700
7 rooms	2 091	—	13	51	140	361	695	622	136	73	—	56 500	60 000
8 or more rooms	4 317	—	29	20	80	349	940	1 574	720	469	136	69 900	76 400
Median	6.3	4.3	4.8	4.6	5.0	5.4	6.5	7.3	8.5	8.5+	8.5+	... ...	...

## BEDROOMS

None	12	—	—	—	—	6	6	—	—	—	—	62 500	62 500
1	385	7	51	113	109	58	30	13	4	—	—	32 400	34 800
2	3 311	37	138	413	656	1 033	612	342	63	17	—	44 000	44 200
3	5 621	—	52	146	382	1 337	1 525	1 611	386	160	22	54 800	58 600
4	3 210	—	27	29	109	264	956	1 122	388	239	76	63 300	70 700
5 or more	1 050	—	7	6	20	71	193	357	204	154	38	75 800	80 100

## YEAR STRUCTURE BUILT

1975 to March 1980	1 712	—	—	8	32	158	256	675	336	185	62	70 700	78 800
1970 to 1974	983	7	—	—	32	92	218	397	147	78	12	66 000	71 400
1960 to 1969	2 649	7	13	6	93	400	814	852	267	166	31	59 900	65 900
1950 to 1959	4 449	15	40	199	396	1 083	1 384	1 037	205	71	19	52 900	55 000
1940 to 1949	1 730	—	65	200	339	523	288	217	63	35	—	45 800	47 700
1939 or earlier	2 066	15	157	294	384	507	362	260	36	39	12	43 400	45 600

## HOUSEHOLD INCOME IN 1979

Less than \$5,000	690	15	49	108	116	98	91	131	41	30	11	46 100	50 700
\$5,000 to \$9,999	1 569	15	90	212	331	433	227	219	33	6	3	43 400	44 100
\$10,000 to \$12,499	721	—	41	71	98	224	128	106	45	8	—	46 700	48 800
\$12,500 to \$14,999	806	—	36	54	132	232	151	158	24	19	—	48 200	49 600
\$15,000 to \$19,999	1 917	7	36	136	123	556	621	362	43	33	—	51 400	52 200
\$20,000 to \$24,999	2 175	7	4	89	179	457	695	608	81	55	—	54 900	56 600
\$25,000 to \$34,999	3 178	—	12	14	180	576	919	997	320	139	21	58 600	63 400
\$35,000 to \$49,999	1 636	—	7	7	62	149	395	596	289	104	27	66 300	70 900
\$50,000 or more	897	—	—	16	55	38	95	261	178	180	74	79 200	90 700
Median	\$22 328	\$7 500	\$9 925	\$11 180	\$14 261	\$18 734	\$22 789	\$26 068	\$32 584	\$34 762	\$54 570	... ...	...
Mean	\$25 425	\$9 626	\$11 506	\$13 516	\$19 589	\$19 594	\$24 179	\$28 208	\$38 036	\$44 919	\$73 889	... ...	...

## MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979

With a mortgage	9 805	7	38	215	552	1 944	2 737	2 838	926	455	93	57 600	62 700
Less than 15 percent	3 209	—	13	53	227	527	982	943	282	145	37	57 600	63 000
15 to 19 percent	1 646	—	34	104	371	538	373	152	62	12	54 800	61 000	
20 to 24 percent	1 501	—	14	26	38	307	352	461	192	93	18	56 500	66 000
25 to 29 percent	1 133	—	4	26	53	268	278	329	124	45	6	57 800	62 300
30 to 34 percent	753	—	7	23	36	166	240	196	46	39	—	55 700	59 500
35 percent or more	1 505	7	—	47	68	300	336	512	130	65	20	59 200	62 400
Not computed	58	—	—	6	5	11	24	—	—	6	—	60 300	62 000
Median	20.1	37.5	22.1	23.4	17.2	21.2	18.5	21.0	20.8	20.9	19.0	... ...	...

## Not mortgaged

Less than 10 percent	3 784	37	237	492	724	819	585	600	128	119	43	45 400	49 300
10 to 14 percent	1 924	22	102	200	308	373	367	376	75	68	33	49 100	53 100
15 to 19 percent	817	—	73	104	170	231	105	88	19	22	5	43 200	49 400
20 to 24 percent	490	—	40	90	136	104	37	58	5	15	5	38 700	44 600
25 to 29 percent	241	—	—	55	67	41	54	18	6	—	—	39 700	42 300
30 to 34 percent	126	15	8	14	23	23	10	27	6	—	—	41 900	42 000
35 percent or more	51	—	—	8	12	14	—	17	—</td				

Table B-2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Billings city	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
Specified renter-occupied housing units	9,979	790	1,085	1,935	1,977	1,542	1,236	492	483	161	278	223
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	2,954	56	157	347	494	606	583	273	272	83	83	282
15 to 24 years	730	11	36	90	190	204	148	26	8	6	11	258
25 to 34 years	991	15	34	99	124	239	213	137	104	18	8	296
35 to 44 years	364	13	11	56	49	37	88	18	64	22	6	307
45 to 64 years	553	6	38	56	78	73	97	60	83	22	40	303
65 years and over	316	11	38	46	53	53	37	32	13	15	18	251
Male householder, no wife present	2,871	314	379	672	566	394	236	90	115	33	72	203
15 to 24 years	926	24	116	251	216	145	95	38	13	—	28	209
25 to 34 years	980	75	76	252	178	182	84	47	74	12	—	222
35 to 44 years	241	13	45	49	61	19	18	—	20	8	8	210
45 to 64 years	476	96	109	90	76	37	25	5	8	13	17	173
65 years and over	248	106	33	30	35	11	14	—	—	—	19	104
Female householder, no husband present	4,154	420	549	916	917	542	417	129	96	45	123	206
15 to 24 years	1,164	29	152	259	348	146	158	33	13	7	19	217
25 to 34 years	940	33	101	226	243	168	82	34	38	10	5	217
35 to 44 years	346	23	58	55	71	44	46	14	24	3	8	218
45 to 64 years	715	64	86	187	134	81	64	38	6	19	36	201
65 years and over	989	271	152	189	121	103	67	10	15	6	55	160
Median age	31.7	64.6	38.3	29.6	28.0	28.7	30.0	32.0	34.7	43.2	61.3	...
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	5,991	303	586	1,112	1,260	997	886	317	348	139	43	236
1975 to 1978	2,576	307	295	546	480	408	252	103	119	10	56	212
1970 to 1974	761	138	118	145	106	77	66	57	16	6	32	183
1960 to 1969	411	34	61	70	114	49	25	10	—	—	48	207
1959 or earlier	240	8	25	62	17	11	7	5	—	6	99	187
ROOMS												
1 room	508	176	118	92	39	16	9	—	9	36	13	130
2 rooms	903	216	226	269	116	31	36	—	—	9	—	152
3 rooms	2,341	262	418	775	606	144	53	7	11	7	58	184
4 rooms	3,154	69	200	530	744	789	583	107	49	17	66	250
5 rooms	1,703	57	88	178	327	381	322	152	123	10	65	274
6 rooms	763	6	18	53	96	144	148	131	147	17	3	321
7 or more rooms	607	4	17	38	49	37	85	95	144	65	73	369
Median	3.9	2.5	3.0	3.3	3.8	4.2	4.4	5.4	5.8	5.6	4.5	...
PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979												
All income levels in 1979	9,979	790	1,085	1,935	1,977	1,542	1,236	492	483	161	278	223
Complete plumbing for exclusive use	9,562	608	944	1,889	1,952	1,542	1,236	484	483	161	263	228
0.50 or less	6,440	469	651	1,309	1,419	1,034	777	271	222	72	216	221
0.51 to 1.00	2,858	132	277	506	504	488	397	189	252	82	31	249
1.01 to 1.50	201	—	12	63	21	20	39	24	9	—	13	244
1.51 or more	63	7	4	11	8	—	23	—	—	7	3	262
Lacking complete plumbing for exclusive use	417	182	141	46	25	—	—	8	—	—	15	103
0.50 or less	197	66	85	23	10	—	—	8	—	—	5	111
0.51 to 1.00	187	116	42	4	15	—	—	—	—	—	10	86
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	33	—	14	19	—	—	—	—	—	—	—	191
Income in 1979 below poverty level	2,200	403	324	487	381	228	189	52	52	12	72	185
Complete plumbing for exclusive use	2,060	345	265	473	372	228	189	52	52	12	72	191
1.01 or more persons per room	128	7	10	53	12	14	18	14	—	—	—	198
Locking complete plumbing for exclusive use	140	58	59	14	9	—	—	—	—	—	—	104
1.01 or more persons per room	21	—	14	7	—	—	—	—	—	—	—	111
BEDROOMS												
None	713	204	211	171	39	21	9	—	9	36	13	129
1	3,463	468	589	1,164	863	199	79	14	6	19	62	180
2	4,349	91	209	521	971	1,168	894	214	152	24	105	266
3	1,103	23	58	62	67	129	207	224	241	33	59	344
4	301	4	18	17	30	25	34	35	75	38	25	364
5 or more	50	—	—	—	7	—	13	5	—	11	14	342
UNITS IN STRUCTURE												
1, detached or attached	3,283	78	242	518	600	457	507	284	327	91	179	261
2	1,737	31	200	419	416	287	191	87	78	6	22	220
3 and 4	1,369	120	143	265	273	263	208	56	31	3	7	224
5 to 9	1,558	213	215	390	240	212	178	49	33	—	28	194
10 to 49	1,290	170	174	229	355	211	94	16	5	7	29	209
50 or more	545	178	77	52	56	83	35	—	9	48	7	180
Mobile home or trailer, etc.	197	—	34	62	37	29	23	—	—	6	6	200
YEAR STRUCTURE BUILT												
1975 to March 1980	1,471	180	87	85	160	314	365	107	126	31	16	286
1970 to 1974	1,176	133	56	133	231	279	151	73	72	42	6	256
1960 to 1969	1,479	73	77	239	369	248	218	83	89	45	38	245
1950 to 1959	1,994	45	140	437	503	382	227	113	115	11	21	232
1940 to 1949	1,535	92	201	397	370	185	134	39	29	11	77	204
1939 or earlier	2,324	267	524	644	344	134	141	77	52	21	120	171
STORIES IN STRUCTURE												
1 to 3	9,585	709	993	1,876	1,926	1,486	1,196	492	483	152	272	224
4 or more	394	81	92	59	51	56	40	—	—	9	6	183
With elevator	364	81	81	52	44	56	35	—	—	9	6	181
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979												
Less than 15 percent	1,565	173	234	314	352	220	115	84	53	20	...	207
15 to 19 percent	1,568	126	184	305	236	276	253	92	82	14	...	234
20 to 24 percent	1,454	186	176	315	260	264	117	54	72	10	...	209
25 to 29 percent	1,185	118	92	190	274	153	162	93	74	29	...	230
30 to 34 percent	786	60	75	129	187	134	88	66	33	14	...	237
35 to 49 percent	1,271	86	145	253	186	233	224	67	52	25	...	235
50 percent or more	1,772	34	174	399	466	233	269	36	117	44	...	228
Not computed	378	7	5	30	16	29	8	—	—	5	278	238
Median	25.9	22.5	23.5	25.5	27.4	24.9	29.0	25.9	27.3	31.8	...	...
SELECTED CHARACTERISTICS												
Heating equipment	9,979	790	1,085	1,935	1,977	1,542	1,236	492	483	161	278	223
Central heating system	8,473	559	750	1,450	1,730	1,487	1,172	470	477	161	217	238
Air conditioning	3,352	278	292	279	658	664	580	197	194	102	108	259
Central system	1,170	32	71	37	155	247	253	179	125	48	23	306

Table B-3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Billings city	Household income in 1979												Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)		
		16 205	923	2 008	996	1 079	2 216	2 564	3 532	1 864	1 023	21 579	24 733	
Owner-occupied housing units														714
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER														
Married-couple families	11 837	262	900	498	639	1 671	2 102	3 165	1 690	910	24 608	28 078	251	
15 to 24 years	430	16	37	39	35	87	91	90	18	17	20 037	22 610	21	
25 to 34 years	2 572	31	70	88	156	485	786	739	135	82	22 489	24 171	36	
35 to 44 years	2 212	43	24	18	70	275	331	827	387	237	28 165	32 042	49	
45 to 64 years	4 703	88	180	146	202	524	696	1 274	1 053	540	28 623	33 404	96	
65 years and over	1 920	84	589	207	176	300	198	235	97	34	13 636	16 924	49	
Male householder, no wife present	1 263	135	155	90	125	186	226	178	94	72	18 750	21 498	81	
15 to 24 years	153	17	7	18	24	26	24	12	18	7	17 578	22 135	6	
25 to 34 years	415	32	30	23	79	70	47	81	33	20	18 838	21 390	25	
35 to 44 years	240	6	15	18	10	50	55	49	10	27	21 591	27 809	14	
45 to 64 years	241	13	51	7	—	26	77	30	19	18	21 013	23 476	13	
65 years and over	214	67	52	24	12	14	25	6	14	—	8 750	11 946	23	
Female householder, no husband present	3 105	526	953	408	315	359	234	189	80	41	10 450	13 297	382	
15 to 24 years	74	6	46	13	—	5	—	4	—	—	8 558	9 403	6	
25 to 34 years	385	49	121	55	47	54	18	20	7	14	11 023	15 214	57	
35 to 44 years	422	50	53	65	47	107	51	43	6	—	14 787	15 013	46	
45 to 64 years	1 096	117	348	177	99	133	90	62	55	15	11 172	14 420	122	
65 years and over	1 128	304	385	98	122	60	75	60	12	12	8 445	11 166	151	
Median age	49.4	64.5	65.4	56.2	52.5	43.7	41.0	43.9	50.4	48.1	...	...	55.3	
YEAR HOUSEHOLDER MOVED INTO UNIT														
1979 to March 1980	2 467	117	196	162	233	472	447	493	185	162	20 527	24 234	117	
1975 to 1978	4 670	204	399	277	265	613	816	1 231	562	303	23 278	26 569	223	
1970 to 1974	2 618	147	296	121	153	338	527	591	269	176	22 452	24 852	116	
1960 to 1969	3 079	140	340	177	135	424	392	674	567	230	24 185	27 056	80	
1959 or earlier	3 371	315	777	259	293	369	382	543	281	152	15 501	20 342	178	
SELECTED CHARACTERISTICS														
Complete plumbing for exclusive use	16 167	923	1 983	996	1 079	2 216	2 560	3 523	1 864	1 023	21 594	24 758	706	
1.01 or more persons per room	140	6	8	8	13	28	20	26	18	13	23 375	25 395	6	
Locking complete plumbing for exclusive use	38	—	25	—	—	—	4	9	—	—	9 167	13 958	8	
Hearing equipment	16 198	923	2 008	996	1 079	2 209	2 564	3 532	1 864	1 023	21 585	24 736	714	
Central heating system	15 512	802	1 784	928	1 029	2 165	2 498	3 451	1 838	1 017	21 939	25 228	607	
Air conditioning	7 256	362	714	505	464	923	1 079	1 591	1 040	—	22 757	27 144	245	
Central system	3 107	164	217	183	186	278	363	666	632	418	27 172	33 161	118	
Vehicles available	15 705	743	1 764	973	1 054	2 205	2 554	3 532	1 864	1 016	21 997	25 266	624	
1	4 360	432	1 082	547	486	679	508	379	149	98	13 112	16 253	306	
2 or more	11 345	311	682	426	568	1 526	2 046	3 153	1 715	918	25 294	28 730	318	
House heating fuel	16 198	923	2 008	996	1 079	2 209	2 564	3 532	1 864	1 023	21 585	24 736	714	
Utility gas	15 696	875	1 966	950	1 021	2 131	2 499	3 426	1 835	993	21 667	24 854	666	
Bottled, tank, or LP gas	48	20	7	8	—	—	—	7	6	—	6 429	12 246	20	
Electricity	414	28	27	38	42	78	54	94	23	30	19 464	22 520	20	
Fuel oil, kerosene, etc.	6	—	—	—	—	—	6	—	—	—	23 750	22 560	—	
Other	34	—	8	—	16	—	5	5	—	—	13 906	15 333	8	
Median rooms	6.1	4.9	4.9	5.3	5.3	5.9	6.0	6.7	7.4	8.3	...	...	5.1	
Specified owner-occupied housing units	13 589	690	1 569	721	806	1 917	2 175	3 178	1 636	897	22 328	25 425	510	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS														
With a mortgage	9 805	320	689	380	506	1 475	1 738	2 687	1 301	709	24 361	27 516	312	
Less than \$200	557	17	95	49	46	86	88	121	44	11	19 044	20 356	25	
\$200 to \$249	1 451	58	184	55	97	259	222	329	216	31	21 549	22 719	42	
\$250 to \$299	1 274	38	76	61	37	166	268	395	185	48	24 831	25 451	44	
\$300 to \$349	901	25	81	55	98	117	150	210	116	49	21 285	25 983	25	
\$350 to \$399	1 019	48	88	48	57	220	127	275	85	71	21 123	24 737	39	
\$400 to \$449	2 037	51	83	36	101	377	435	589	238	127	23 524	27 411	48	
\$500 to \$599	1 310	55	51	30	50	156	282	389	164	133	24 910	29 400	56	
\$600 to \$749	879	—	28	26	20	84	145	296	157	123	26 736	35 806	5	
\$750 or more	377	28	3	20	—	10	21	83	96	116	31 237	49 404	28	
Median	\$385	\$373	\$293	\$323	\$337	\$375	\$403	\$402	\$402	\$513	...	...	\$376	
Not mortgaged	3 784	370	880	341	300	442	437	491	335	188	15 009	20 007	198	
Less than \$50	61	24	23	—	7	—	—	7	—	—	5 903	10 791	20	
\$50 to \$74	247	69	99	22	25	5	20	7	—	—	7 682	9 298	45	
\$75 to \$99	868	129	334	97	67	77	58	76	22	8	9 303	12 705	66	
\$100 to \$124	952	78	236	91	108	147	112	96	68	16	14 144	17 074	26	
\$125 to \$149	678	31	133	56	51	102	94	123	58	30	18 534	21 330	7	
\$150 to \$199	663	30	34	67	42	76	103	137	107	67	23 347	27 985	25	
\$200 to \$249	176	—	12	—	7	20	37	41	34	25	29 231	37 284	—	
\$250 or more	139	9	9	8	—	8	13	11	39	42	39 339	42 392	9	
Median	\$119	\$93	\$99	\$114	\$113	\$122	\$133	\$139	\$156	\$180	...	...	\$88	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979														
With a mortgage	9 805	320	689	380	506	1 475	1 738	2 687	1 301	709	24 361	27 516	312	
Less than 15 percent	3 209	—	7	9	23	158	421	1 096	866	629	33 607	41 291	15	
15 to 19 percent	1 646	—	8	32	79	312	326	584	233	72	26 019	27 216	—	
20 to 24 percent	1 501	—	35	38	60	241	390	582	147	8	24 836	25 216	—	
25 to 29 percent	1 133	—	50	60	105	272	321	287	38	—	21 052	21 457	—	
30 to 34 percent	753	—	96	59	71	271	149	90	17	—	18 093	18 063	—	
35 percent or more	1 505	262	493	182	168	221	131	48	—	—	9 977	11 231	239	
Not computed	58	58	—	—	—	—	—	—	—	—	2500	—2 903	58	
Median	20.1	50+	46.6	34.3	29.3	25.5	21.6	17.1	12.3	10—	...	...	50+	
Not mortgaged	3 784	370	880	341	300	442	437	491	335	188	15 009	20 007	198	
Less than 10 percent	1 924	9	45	78	138	321	332	483	330	188	25 819	30 255	9	
10 to 14 percent	817	18	288	160	145	93	105	3	5	—	11 602	12 640	11	
15 to 19 percent	490	29	330	81	—	—	—	—	—	—	7 950	8 767	16	
20 to 24 percent	241	99	128	14	—	—	—	—	—	—	5 648	5 898	28	
25 to 29 percent	126	59	59	8	—	—	—	—	—	—	5 244	5 774	29	
30 to 34 percent	51	36	15	—	—	—	—	—	—	—	4 271	4 836	11	
35 percent or more	135	120	15	—	—	—	—	—	—	—	3 399	3 543	94	
Not computed	—	—	—	—	—	—	—	—	—	—	—	—	—	
Median	10—	27.5	16.6	12.9	10.4	10—	10—	10—	10—	10—	...	...	3	

Table B—4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Billings city	Household income in 1979																		Income in 1979 below poverty level	
	Total	Less than \$5,000		\$5,000 to \$9,999		\$10,000 to \$12,499		\$12,500 to \$14,999		\$15,000 to \$19,999		\$20,000 to \$24,999		\$25,000 to \$34,999		\$35,000 to \$49,999		\$50,000 or more	Median (dollars)	Mean (dollars)
		Renter-occupied housing units	10 060	2 439	2 594	1 150	899	1 323	755	543	233	124	9 994	12 320	2 225					
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>																				
Married-couple families	2 965	307	511	413	265	566	437	250	167	49	14 873	16 815	408							
15 to 24 years	730	93	144	147	102	103	116	12	7	6	12 177	13 806	111							
25 to 34 years	995	71	80	139	92	265	137	120	91	—	16 782	18 367	92							
35 to 44 years	371	68	66	23	11	64	73	46	16	4	17 188	16 017	110							
45 to 64 years	553	54	83	37	24	112	100	59	45	39	18 581	21 448	68							
65 years and over	316	21	138	67	36	22	11	13	8	—	9 973	11 712	27							
Male householder, no wife present	2 904	645	710	336	245	483	203	182	56	44	10 722	12 824	491							
15 to 24 years	926	201	267	86	72	191	38	56	9	6	9 918	11 897	188							
25 to 34 years	980	122	208	144	122	181	100	73	13	17	12 828	14 452	79							
35 to 44 years	248	26	83	21	20	47	16	21	8	6	11 786	14 827	19							
45 to 64 years	488	129	93	71	26	52	49	27	26	15	10 775	13 899	97							
65 years and over	262	167	59	14	5	12	—	5	—	—	4 362	6 113	108							
Female householder, no husband present	4 191	1 487	1 373	401	389	274	115	111	10	31	7 036	8 790	1 326							
15 to 24 years	1 167	412	427	65	101	107	19	19	5	12	6 750	8 681	462							
25 to 34 years	953	213	335	120	121	80	27	57	—	—	9 039	9 982	240							
35 to 44 years	346	85	122	47	39	35	—	7	5	6	8 509	10 390	110							
45 to 64 years	720	256	195	83	69	28	48	28	—	13	7 453	9 935	227							
65 years and over	1 005	521	294	86	59	24	21	—	—	—	4 890	6 413	287							
Median age	31.8	41.2	30.8	30.2	29.1	29.4	32.9	32.6	33.6	48.6	—	—	32.9							
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>																				
1979 to March 1980	6 005	1 382	1 637	645	490	856	440	319	138	98	9 951	12 568	1 415							
1975 to 1978	2 606	644	617	336	255	344	176	170	50	14	10 313	12 027	495							
1970 to 1974	783	198	203	85	86	91	79	16	25	—	9 762	11 569	154							
1960 to 1969	411	118	85	47	29	27	54	33	12	6	10 133	13 243	99							
1959 or earlier	255	97	52	37	39	5	6	5	8	6	7 383	10 280	62							
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																				
Complete plumbing for exclusive use	9 643	2 262	2 441	1 111	882	1 309	748	538	228	124	10 267	12 546	2 085							
0.50 or less	6 518	1 604	1 695	773	629	636	455	325	122	79	9 890	11 977	1 220							
0.51 to 1.00	2 861	605	660	312	229	443	277	189	101	45	11 326	13 868	737							
1.01 to 1.50	201	38	72	21	14	30	4	17	5	—	9 505	12 146	102							
1.51 or more	63	15	14	5	10	—	12	7	—	—	11 250	12 630	26							
Locking complete plumbing for exclusive use	417	177	153	39	17	14	7	5	5	—	5 787	7 083	140							
0.50 or less	197	74	73	20	17	8	—	5	—	—	6 156	7 329	48							
0.51 to 1.00	187	96	66	7	6	7	—	5	—	—	4 902	6 858	71							
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.51 or more	33	7	14	12	—	—	—	—	—	—	6 696	6 892	21							
<b>SELECTED CHARACTERISTICS</b>																				
Heating equipment	10 060	2 439	2 594	1 150	899	1 323	755	543	233	124	9 994	12 320	2 225							
Central heating system	8 518	1 884	2 132	970	760	1 206	702	516	224	124	10 626	13 015	1 734							
Air conditioning	3 378	676	800	367	316	452	298	264	118	87	11 451	14 447	523							
Central system	1 176	135	223	154	106	174	109	154	58	63	14 292	18 222	146							
Vehicles available	8 284	1 477	1 977	1 060	855	1 285	748	525	233	124	11 623	13 750	1 478							
1	8 284	1 477	1 977	1 060	855	1 285	748	525	233	124	11 623	13 750	1 478							
2 or more	4 856	1 184	1 462	695	517	574	255	104	40	25	9 373	10 477	1 045							
House heating fuel	3 428	293	515	365	338	711	493	421	193	99	16 278	18 388	433							
Utility gas	8 332	1 875	2 125	989	768	1 127	670	479	187	112	10 420	12 646	1 763							
Bottled, tank, or LP gas	119	35	29	10	—	11	10	24	—	—	9 338	12 663	40							
Electricity	1 499	472	405	146	125	185	75	33	46	12	8 564	10 903	377							
Fuel oil, kerosene, etc.	60	23	25	5	—	—	—	7	—	—	5 921	8 031	23							
Other	50	34	10	—	6	—	—	—	—	—	—	3 977	4 706	22						
Median rooms	3.9	3.2	3.7	3.9	4.1	4.3	4.5	4.6	5.0	4.2	—	—	—	3.6						
Specified renter-occupied housing units	9 979	2 405	2 575	1 144	887	1 313	755	543	233	124	10 021	12 357	2 200							
<b>CONTRACT RENT</b>																				
Less than \$100	984	649	243	40	19	6	22	—	5	—	4 187	5 367	472							
\$100 to \$149	1 452	489	502	142	121	131	41	12	8	6	7 124	8 461	434							
\$150 to \$199	2 409	540	743	402	226	260	140	75	16	7	9 525	10 548	523							
\$200 to \$249	1 894	344	460	216	241	298	143	130	43	19	11 655	13 207	340							
\$250 to \$299	1 775	196	385	250	149	354	233	145	37	26	13 448	15 036	224							
\$300 to \$349	600	59	78	57	50	135	77	59	60	25	16 591	19 917	104							
\$350 to \$399	394	14	43	20	51	83	45	84	37	17	19 028	22 329	14							
\$400 to \$449	124	10	22	5	18	11	28	12	14	4	19 091	19 841	10							
\$500 or more	69	7	16	—	6	—	13	13	14	14	28 542	30 416	7							
No cash rent	278	97	83	12	12	29	26	13	6	6	7 819	11 952	72							
Median	\$223	\$170	\$201	\$223	\$236	\$278	\$289	\$305	\$341	\$352	—	—	—	\$185						
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																				
Less than 15 percent	1 565	16	121	60	118	305	291	333	211	110	22 462	25 723	25							
15 to 19 percent	1 568	78	172	208	234	377	331	138	22	8	16 437	16 731	60							
20 to 24 percent	1 454	161	342	296	244	313	49	49	—	—	11 892	11 963	143							
25 to 29 percent	1 185	141	400	214	167	204	52	7	—	—	10 602	11 005	139							
30 to 34 percent	786	105	386	170	58	58	6	3	—	—	8 953	9 241	75							
35 to 49 percent	1 271	311	711	173	49	27	—	—	—	—	6 993	7 278	329							
50 percent or more	1 772	1 396	360	11	5	—	—	—	—	—	3 540	3 761	1 257							
Not computed	378	197	83	12	12	29	26	13	6	6	4 677	8 489								

Table B-5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

Billings city	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units -----	9 805	557	1 451	1 274	901	1 019	2 037	1 310	879	377	385
<b>PERSONS IN UNIT</b>											
1 person -----	820	97	104	97	167	100	120	103	16	16	334
2 persons -----	2 833	241	622	369	213	292	529	313	213	41	343
3 persons -----	2 175	120	277	312	212	256	484	253	168	93	383
4 persons -----	2 395	50	264	310	184	251	587	351	268	130	422
5 persons -----	1 032	39	120	125	78	88	208	148	152	74	432
6 persons -----	410	5	50	48	31	32	61	103	57	23	461
7 persons -----	75	5	14	13	9	—	9	25	—	—	331
8 or more persons -----	65	—	—	—	7	—	39	14	5	—	464
Median -----	3.07	2.25	2.50	3.05	2.83	2.96	3.26	3.44	3.66	3.80	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
Married-couple families -----	7 906	407	1 095	1 023	672	806	1 711	1 061	791	340	397
15 to 24 years -----	267	11	—	26	6	22	141	44	17	—	431
25 to 34 years -----	2 182	18	74	116	228	270	668	382	340	86	453
35 to 44 years -----	1 911	30	128	280	111	188	417	396	201	160	455
45 to 64 years -----	3 138	284	732	531	307	301	446	216	227	94	304
65 years and over -----	408	64	161	70	20	25	39	23	6	—	243
Male householder, no wife present -----	650	39	69	33	96	76	159	99	64	15	407
15 to 24 years -----	91	15	11	—	14	10	28	7	6	—	377
25 to 34 years -----	283	15	5	28	47	14	88	55	26	5	439
35 to 44 years -----	163	9	14	5	5	41	16	37	32	4	457
45 to 64 years -----	95	—	33	—	18	11	27	—	—	6	340
65 years and over -----	18	—	6	—	12	—	—	—	—	—	313
Female householder, no husband present -----	1 249	111	287	218	133	137	167	150	24	22	303
15 to 24 years -----	21	—	—	—	14	7	—	—	—	—	388
25 to 34 years -----	296	6	19	65	33	43	81	39	10	—	379
35 to 44 years -----	334	22	89	55	39	40	27	52	—	10	301
45 to 64 years -----	480	75	153	67	44	40	47	28	14	12	259
65 years and over -----	118	8	26	31	17	—	5	31	—	—	290
Median age -----	42.0	54.8	52.5	47.0	43.1	38.8	35.1	37.1	36.6	40.6	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980 -----	1 743	31	24	96	94	108	545	401	294	150	496
1975 to 1978 -----	3 397	46	105	177	333	487	997	623	483	146	445
1970 to 1974 -----	1 915	86	354	452	252	217	308	152	46	48	313
1960 to 1969 -----	2 008	205	704	462	146	162	156	105	44	24	260
1959 or earlier -----	742	189	264	87	76	45	31	29	12	9	234
<b>ROOMS</b>											
1 to 3 rooms -----	130	24	—	8	27	7	34	10	7	13	393
4 rooms -----	733	141	149	65	115	72	116	40	29	6	305
5 rooms -----	1 954	164	417	339	187	223	357	168	95	4	315
6 rooms -----	1 619	96	279	256	188	157	340	206	67	30	347
7 rooms -----	1 615	64	251	229	121	181	355	201	172	41	389
8 or more rooms -----	3 754	68	355	377	263	379	835	685	509	283	452
Median -----	6.8	5.2	6.1	6.4	6.1	6.8	7.0	7.6	7.9	8.5+	...
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980 -----	1 612	33	13	20	25	57	392	451	403	218	559
1970 to 1974 -----	898	—	76	117	57	81	262	144	121	40	452
1960 to 1969 -----	2 325	54	337	478	222	253	491	281	165	44	364
1950 to 1959 -----	3 175	278	666	461	386	404	543	267	122	48	324
1940 to 1949 -----	958	99	182	100	135	101	178	111	37	15	336
1939 or earlier -----	837	93	177	98	76	123	171	56	31	12	333
<b>VALUE</b>											
Less than \$10,000 -----	7	—	7	—	—	—	—	—	—	—	225
\$10,000 to \$19,999 -----	38	21	—	6	7	4	—	—	—	—	193
\$20,000 to \$29,999 -----	215	48	87	32	8	20	—	—	—	—	234
\$30,000 to \$39,999 -----	552	98	107	141	108	41	43	14	—	—	275
\$40,000 to \$49,999 -----	1 944	173	476	223	260	264	425	111	8	4	319
\$50,000 to \$59,999 -----	2 737	141	550	428	225	291	694	300	89	19	354
\$60,000 to \$79,999 -----	2 838	76	208	410	229	260	569	598	413	75	442
\$80,000 to \$99,999 -----	926	—	16	40	40	93	206	209	221	101	533
\$100,000 to \$149,999 -----	455	—	—	—	25	43	59	65	143	120	637
\$150,000 or more -----	93	—	—	—	—	17	13	5	58	—	750+
Median -----	\$57 600	\$45 900	\$50 700	\$54 900	\$52 800	\$55 900	\$57 000	\$65 900	\$76 900	\$98 200	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent -----	3 209	389	870	739	316	246	318	172	114	45	273
15 to 19 percent -----	1 646	63	239	271	201	227	380	136	66	63	361
20 to 24 percent -----	1 501	43	75	71	94	199	538	276	156	49	444
25 to 29 percent -----	1 133	19	56	53	118	93	301	270	173	50	471
30 to 34 percent -----	753	7	82	33	44	62	218	159	98	50	473
35 percent or more -----	1 505	36	118	102	122	192	261	288	272	114	465
Not computed -----	58	—	11	5	6	—	21	9	—	6	467
Median -----	20.1	10.9	13.3	13.9	18.3	20.9	22.9	26.2	28.0	27.8	...
<b>SELECTED CHARACTERISTICS</b>											
Heating equipment -----	9 798	557	1 451	1 274	901	1 019	2 030	1 310	879	377	385
Steam or hot water system -----	559	31	57	61	49	78	84	111	61	27	403
Central warm-air furnace or electric heat pump -----	8 832	478	1 339	1 169	799	894	1 885	1 151	784	333	385
Other built-in electric units -----	125	9	5	19	7	—	15	31	34	5	524
Floor, wall, or pipeless furnace -----	107	23	13	15	26	20	10	—	—	—	305
Other means -----	175	16	37	10	20	27	36	17	—	12	358
Air conditioning -----	4 318	234	701	511	371	354	868	544	478	257	398
Central system -----	1 896	33	141	157	158	150	395	288	356	218	479
1 or more individual room units -----	2 422	201	560	354	213	204	473	256	122	39	323
House heating fuel -----	9 798	557	1 451	1 274	901	1 019	2 030	1 310	879	377	385
Utility gas -----	9 473	528	1 433	1 241	888	987	2 002	1 246	800	348	383
Bottled, tank, or LP gas -----	30	8	8	—	—	7	—	—	7	—	244
Electricity -----	274	21	5	33	7	19	28	60	72	29	540
Fuel oil, kerosene, etc. -----	6	—	—	—	6	—	—	—	—	—	375
Other -----	15	—	5	—	6	—	—	4	—	—	321

Table B-6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Billings city	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
Specified owner-occupied housing units	3 784	61	247	868	952	678	663	176	139	119
PERSONS IN UNIT										
1 person	1 046	31	132	295	246	158	104	48	32	107
2 persons	1 999	30	107	399	581	355	377	75	75	120
3 persons	452	—	8	116	92	99	87	31	19	128
4 persons	153	—	—	24	10	37	55	14	13	155
5 persons	103	—	—	24	23	22	26	8	—	130
6 persons	24	—	—	10	—	7	7	—	—	132
7 persons	7	—	—	—	—	—	7	—	—	175
8 or more persons	—	—	—	—	—	—	—	—	—	—
Median	1.92	1.48	1.44	1.85	1.90	2.01	2.10	2.03	2.00	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families	2 342	12	90	475	612	453	499	122	79	124
15 to 24 years	10	—	—	10	—	20	13	—	—	88
25 to 34 years	43	—	—	10	—	20	13	—	—	139
35 to 44 years	104	—	—	22	5	20	46	5	6	155
45 to 64 years	969	7	7	127	264	220	229	69	46	134
65 years and over	1 216	5	83	306	343	193	211	48	27	116
Male householder, no wife present	234	16	40	89	42	10	25	12	—	92
15 to 24 years	—	—	—	—	—	—	—	—	—	—
25 to 34 years	21	9	—	6	6	—	—	—	—	81
35 to 44 years	10	—	10	—	—	—	—	—	—	63
45 to 64 years	64	—	14	8	14	10	12	6	—	118
65 years and over	139	7	16	75	22	—	13	6	—	90
Female householder, no husband present	1 208	33	117	304	298	215	139	42	60	113
15 to 24 years	13	—	—	7	—	—	6	—	—	98
25 to 34 years	24	—	—	11	—	8	5	—	—	128
35 to 44 years	21	7	—	7	—	7	—	—	—	88
45 to 64 years	371	11	27	70	101	58	61	18	25	119
65 years and over	779	15	90	209	197	142	67	24	35	110
Median age	66.9	63.4	72.5	71.2	66.8	64.8	63.2	62.9	63.5	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980	94	16	7	22	13	13	17	6	—	104
1975 to 1978	278	16	7	54	39	68	58	6	30	133
1970 to 1974	319	7	11	48	82	48	84	30	9	131
1960 to 1969	793	8	48	136	150	172	196	49	34	133
1959 or earlier	2 300	14	174	608	668	377	308	85	66	113
ROOMS										
1 to 3 rooms	136	17	60	36	7	16	—	—	—	71
4 rooms	767	26	67	280	232	111	44	7	—	101
5 rooms	1 170	18	65	309	363	239	145	12	19	113
6 rooms	672	—	26	177	157	124	152	19	17	121
7 rooms	476	—	21	46	102	97	138	65	7	143
8 or more rooms	563	—	8	20	91	91	184	73	96	169
Median	5.3	4.0	4.4	4.9	5.2	5.4	6.4	7.3	8.5+	...
YEAR STRUCTURE BUILT										
1975 to March 1980	100	7	—	27	—	31	6	6	23	138
1970 to 1974	85	7	—	—	21	6	36	6	9	162
1960 to 1969	324	—	—	38	30	43	136	43	34	169
1950 to 1959	1 274	—	58	219	354	251	292	78	22	126
1940 to 1949	772	—	54	236	261	125	77	12	7	109
1939 or earlier	1 229	47	135	348	286	222	116	31	44	107
VALUE										
Less than \$10,000	37	7	23	7	—	—	—	—	—	63
\$10,000 to \$19,999	237	34	39	78	86	—	—	—	—	90
\$20,000 to \$29,999	492	13	83	175	131	61	23	6	—	96
\$30,000 to \$39,999	724	—	47	270	224	154	29	—	—	105
\$40,000 to \$49,999	819	7	44	206	290	162	96	6	8	113
\$50,000 to \$59,999	585	—	11	85	156	150	145	38	—	132
\$60,000 to \$79,999	600	—	—	42	60	138	291	55	14	160
\$80,000 to \$99,999	128	—	—	5	5	6	51	49	12	197
\$100,000 to \$149,999	119	—	—	—	—	—	28	22	69	250+
\$150,000 or more	43	—	—	—	7	—	—	—	36	250+
Median	\$45 400	\$14 400	\$27 000	\$35 700	\$41 400	\$48 000	\$64 700	\$75 500	\$132 900	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent	1 924	35	112	364	482	393	359	97	82	123
10 to 14 percent	817	18	70	209	206	93	163	40	18	114
15 to 19 percent	490	8	21	138	147	66	70	27	13	113
20 to 24 percent	241	—	29	105	32	61	14	—	—	97
25 to 29 percent	126	—	8	21	37	34	12	6	8	123
30 to 34 percent	51	—	—	11	15	10	15	—	—	124
35 percent or more	135	—	7	20	33	21	30	6	18	134
Not computed	—	—	—	—	—	—	—	—	—	—
Median	10—	10—	10.8	11.7	10—	10—	10—	10—	10—	...
SELECTED CHARACTERISTICS										
Heating equipment	3 784	61	247	868	952	678	663	176	139	119
Steam or hot water system	376	—	7	48	45	62	132	43	39	160
Central warm-air furnace or electric heat pump	2 844	31	113	575	802	573	517	133	100	122
Other built-in electric units	6	—	—	—	6	—	—	—	—	113
Floor, wall, or pipeless furnace	176	7	33	100	17	12	7	—	—	87
Other means	382	23	94	145	82	31	7	—	—	88
Air conditioning	1 457	21	47	283	333	273	291	127	82	129
Central system	444	7	—	37	69	81	130	45	75	161
1 or more individual room units	1 013	14	47	246	264	192	161	82	7	119
House heating fuel	3 784	61	247	868	952	678	663	176	139	119
Utility gas	3 725	53	240	868	934	657	658	176	139	119
Bottled, tank, or LP gas	7	—	—	—	7	—	—	—	—	113
Electricity	41	8	7	—	6	15	5	—	—	123
Fuel oil, kerosene, etc.	—	—	—	—	5	6	—	—	—	—
Other	11	—	—	—	—	—	—	—	—	127

Table B-7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Billings city	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
		16 205	2 468	1 575	2 952	6 874		10 060	1 477	1 182	1 479	3 561
Occupied housing units												
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	11 837	1 951	1 112	2 427	4 929	1 418	2 965	510	353	454	1 121	527
15 to 24 years	430	166	30	55	106	73	730	106	120	123	260	121
25 to 34 years	2 572	656	266	453	972	225	995	189	103	146	439	118
35 to 44 years	2 212	592	306	503	606	205	371	63	22	43	178	65
45 to 64 years	4 703	471	404	1 215	2 206	407	553	96	73	94	161	129
65 years and over	1 920	66	106	201	1 039	508	316	56	35	48	83	94
Male householder, no wife present	1 263	249	162	91	544	217	2 904	338	289	410	988	879
15 to 24 years	153	66	12	14	39	22	926	86	79	158	391	212
25 to 34 years	415	89	65	25	183	53	980	135	133	119	348	245
35 to 44 years	240	62	41	17	105	15	248	39	—	59	58	92
45 to 64 years	241	13	26	29	131	42	488	54	44	54	154	182
65 years and over	214	19	18	6	86	85	262	24	33	20	37	148
Female householder, no husband present	3 105	268	301	434	1 401	701	4 191	629	540	615	1 452	955
15 to 24 years	74	23	17	13	14	7	1 167	205	125	172	475	190
25 to 34 years	385	91	34	63	137	60	953	94	123	127	455	154
35 to 44 years	422	39	82	89	177	35	346	68	37	60	85	96
45 to 64 years	1 096	69	136	139	551	201	720	48	87	119	234	232
65 years and over	1 128	46	32	130	522	398	1 005	214	168	137	203	283
Median age	49.4	36.8	43.6	47.9	54.1	61.0	31.8	32.8	31.2	31.6	29.4	41.0
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	2 467	1 007	247	367	625	221	6 005	1 152	661	897	2 198	1 097
1975 to 1978	4 670	1 461	565	734	1 461	449	2 606	325	390	382	819	690
1970 to 1974	2 618	—	763	563	1 025	267	783	—	131	96	260	296
1960 to 1969	3 079	—	—	1 288	1 366	425	411	—	—	104	171	136
1959 or earlier	3 371	—	—	—	2 397	974	255	—	—	—	113	142
ROOMS												
1 room	12	—	—	—	12	—	508	34	131	48	96	199
2 rooms	69	11	13	23	11	11	908	91	83	114	251	369
3 rooms	319	32	22	33	137	95	2 351	295	185	310	904	657
4 rooms	2 389	335	350	216	1 093	395	3 169	594	434	534	1 106	501
5 rooms	3 836	517	307	541	1 751	720	1 732	286	221	224	656	343
6 rooms	2 677	417	219	440	1 195	406	774	111	103	130	261	169
7 or more rooms	6 903	1 156	664	1 699	2 675	709	618	66	25	117	287	123
Median	6.1	6.3	5.9	7.0	5.9	5.4	3.9	4.0	3.9	4.0	4.0	3.4
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	16 167	2 468	1 575	2 952	6 855	2 317	9 643	1 461	1 165	1 465	3 449	2 103
0.50 or less	11 849	1 672	1 078	2 134	5 128	1 837	6 518	1 058	743	989	2 333	1 395
0.51 to 1.00	4 178	756	489	790	1 686	457	2 861	363	403	434	1 030	631
1.01 to 1.50	135	35	8	28	41	23	201	35	12	20	75	59
1.51 or more	5	5	—	—	—	—	63	5	7	22	11	18
Lacking complete plumbing for exclusive use	38	—	—	—	19	19	417	16	17	14	112	258
0.50 or less	25	—	—	—	14	11	197	10	13	8	56	110
0.51 to 1.00	13	—	—	—	5	8	187	6	—	6	37	138
1.01 to 1.50	—	—	—	—	—	—	33	—	4	—	19	10
PERSONS IN UNIT												
1 person	2 587	290	214	278	1 168	637	4 672	659	540	692	1 534	1 247
2 persons	5 872	706	529	909	2 800	928	2 849	446	351	401	984	667
3 persons	3 015	477	305	673	1 223	337	1 269	173	168	162	573	193
4 persons	2 843	641	308	655	1 029	210	804	138	90	155	271	150
5 persons	1 258	237	116	298	476	131	283	24	26	58	126	49
6 or more persons	630	117	103	139	178	93	183	37	7	11	73	55
Median	2.44	3.00	2.65	2.93	2.31	2.07	1.63	1.68	1.65	1.62	1.75	1.45
Total persons	45 296	7 753	4 899	9 233	17 932	5 479	19 873	2 801	2 226	2 979	7 446	4 421
UNITS IN STRUCTURE												
1, detached or attached	14 222	1 804	1 048	2 740	6 478	2 152	3 364	190	175	444	1 613	942
2	636	99	54	40	327	116	1 737	147	85	302	842	361
3 and 4	123	42	36	6	26	13	1 369	242	212	238	414	263
5 to 9	78	15	11	9	17	26	1 558	349	226	135	398	450
10 to 49	49	20	7	—	—	22	1 290	257	275	249	177	332
50 or more	19	—	5	7	—	7	545	274	144	45	69	13
Mobile home or trailer, etc.	1 078	488	414	150	26	—	197	18	65	66	48	—
SELECTED CHARACTERISTICS												
Housing equipment	16 198	2 468	1 575	2 952	6 867	2 336	10 060	1 477	1 182	1 479	3 561	2 361
Steam or hot water system	1 055	31	35	231	540	218	1 615	208	265	246	394	502
Central warm-air furnace or electric heat pump	13 965	2 264	1 515	2 677	5 856	1 653	5 122	669	635	908	1 997	913
Other built-in electric units	163	126	5	—	26	6	1 035	545	202	83	155	50
Floor, wall, or pipeless furnace	329	6	10	22	84	207	746	17	46	82	360	241
Other means	686	41	10	22	361	252	1 542	38	34	160	655	655
Air conditioning	7 256	1 180	959	1 481	2 930	706	3 378	1 037	729	570	674	368
Central system	3 107	841	691	721	716	138	1 176	398	292	240	174	72
1 or more individual room units	4 149	339	268	760	2 214	568	2 202	639	437	330	500	296
House heating fuel	16 198	2 468	1 575	2 952	6 867	2 336	10 060	1 477	1 182	1 479	3 561	2 361
Utility gas	15 696	2 164	1 560	2 914	6 784	2 274	8 332	717	886	1 278	3 229	2 222
Bottled, tank, or LP gas	48	18	—	—	14	16	119	21	7	17	44	30
Electricity	414	282	10	27	57	38	1 499	726	289	168	247	69
Fuel oil, kerosene, etc.	6	—	—	—	6	—	60	—	—	—	35	25
Other	34	4	5	11	6	8	50	13	—	16	6	15
Income in 1979 below poverty level	714	112	98	101	240	163	2 225	319	206	270	729	701
Percent below poverty level	4.4	4.5	6.2	3.4	3.5	7.0	22.1	21.6	17.4	18.3	20.5	29.7
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	923	117	104	125	320	257	2 439	364	232	251	748	844
\$5,000 to \$9,999	2 008	111	177	217	892	611	2 594	318	386	333	968	589
\$10,000 to \$12,499	996	150	130	113	450	153	1 150	108	94	253	430	265
\$12,500 to \$14,999	1 079	178	95	94	537	175	1 899	193	65	137	300	204
\$15,000 to \$19,999	2 216	285	210	383	975	363	1 323	189	185	227	520	202
\$20,000 to \$24,999	2 564	436	248	474	1 177	229	1 755	81	117	171	248	138
\$25,000 to \$34,999	3 532	655	319	798	1 449	311	543	106	57	61	251	68
\$35,000 to \$49,999	1 864	344	173	432	734	181	233	69	29	40	70	25
\$50,000 or more	1 023	192	119	316	340	56	124	49	17	6	26	26
Median	\$21 579	\$24 516	\$21 430	\$25 689	\$21 002	\$14 600	\$9 994	\$11 308	\$9 685	\$11 537	\$10 375	\$7 496
Mean	\$24 733	\$28 503	\$25 179	\$29 843	\$23 462	\$17 731	\$12 320	\$14 339	\$13 179	\$12 985	\$12 452	\$10 009

Table B-8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

## Billings city

Billings city	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
		16 205	14 222	905	1 078	10 060	3 364	1 737	1 369	1 558	1 290	545
Occupied housing units												
Condominium housing units	140	55	85	—	33	19	—	—	6	8	—	—
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families	11 837	10 731	475	631	2 965	1 441	546	361	300	195	47	75
15 to 24 years	430	277	11	142	730	232	204	104	101	46	6	37
25 to 34 years	2 572	2 328	110	134	995	555	152	122	105	48	—	13
35 to 44 years	2 212	2 136	47	29	371	239	51	47	23	11	—	—
45 to 64 years	4 703	4 300	192	211	553	307	68	59	54	39	7	19
65 years and over	1 920	1 690	115	115	316	108	71	29	17	51	34	6
Male householder, no wife present	1 263	956	198	109	2 904	847	438	390	597	433	126	73
15 to 24 years	153	96	39	18	926	269	250	117	156	107	10	17
25 to 34 years	415	325	53	37	980	316	110	182	207	110	27	28
35 to 44 years	240	183	39	18	248	75	23	40	62	35	13	—
45 to 64 years	241	195	33	13	488	117	55	38	92	134	24	28
65 years and over	214	157	34	23	262	70	—	13	80	47	52	—
Female householder, no husband present	3 105	2 535	232	338	4 191	1 076	753	618	661	662	372	49
15 to 24 years	74	34	13	27	1 167	248	228	229	262	173	27	—
25 to 34 years	385	326	9	50	953	311	205	99	148	150	12	28
35 to 44 years	422	359	31	32	346	132	50	58	40	54	—	12
45 to 64 years	1 096	893	58	145	720	214	139	130	89	111	33	4
65 years and over	1 128	923	121	84	1 005	171	131	102	122	174	300	5
Median age	49.4	49.2	54.7	49.3	31.8	32.6	28.6	29.6	29.1	36.1	74.7	31.5
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980	2 467	1 929	223	315	6 005	1 872	1 165	941	932	689	282	124
1975 to 1978	4 670	3 887	299	484	2 606	862	367	284	410	439	195	49
1970 to 1974	2 618	2 325	102	191	783	275	95	91	151	116	49	6
1960 to 1969	3 079	2 920	83	76	411	185	85	42	35	40	12	12
1959 or earlier	3 371	3 161	198	12	255	170	25	11	30	6	7	6
<b>ROOMS</b>												
1 room	12	12	—	—	508	46	6	38	116	120	182	—
2 rooms	69	24	11	34	908	108	111	169	214	223	83	—
3 rooms	319	230	21	68	2 351	516	501	313	382	404	213	22
4 rooms	2 389	1 622	276	491	3 169	868	666	553	535	376	58	113
5 rooms	3 836	3 266	205	365	1 732	824	294	228	197	137	9	43
6 rooms	2 677	2 394	196	87	774	480	119	60	80	30	—	5
7 or more rooms	6 903	6 674	196	33	618	522	40	8	34	—	—	14
Median	6.1	6.3	5.2	4.4	3.9	4.7	3.9	3.8	3.6	3.2	4.2	—
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use	16 167	14 222	867	1 078	9 643	3 346	1 691	1 329	1 388	1 153	539	197
0.50 or less	11 849	10 329	733	787	6 518	2 048	1 144	918	1 020	908	318	162
0.51 to 1.00	4 178	3 758	134	286	2 861	1 167	499	373	348	223	221	30
1.01 to 1.50	135	135	—	—	201	100	48	26	4	18	—	5
1.51 or more	5	—	—	5	63	31	—	12	16	4	—	—
Locking complete plumbing for exclusive use	38	—	38	—	417	18	46	40	170	137	6	—
0.50 or less	25	—	25	—	197	7	31	22	84	47	6	—
0.51 to 1.00	13	—	13	—	187	11	15	7	64	90	—	—
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	33	—	—	11	22	—	—	—
<b>BEDROOMS</b>												
None	12	12	—	—	713	54	29	72	147	216	195	—
1	560	385	91	84	3 478	788	707	538	639	517	284	5
2	4 590	3 534	429	627	4 387	1 418	848	699	677	523	66	156
3	6 512	5 862	297	353	1 127	778	136	48	95	34	—	36
4	3 408	3 340	59	9	305	276	17	12	—	—	—	—
5 or more	1 123	1 089	29	5	50	50	—	—	—	—	—	—
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000	923	736	38	149	2 439	671	385	328	379	407	254	15
\$5,000 to \$9,999	2 008	1 626	174	208	2 594	698	396	399	472	421	171	37
\$10,000 to \$12,499	996	741	101	154	1 150	392	244	111	184	136	28	55
\$12,500 to \$14,999	1 079	876	97	106	899	312	185	82	178	109	22	11
\$15,000 to \$19,999	2 216	1 966	96	154	1 323	505	284	212	158	104	29	31
\$20,000 to \$24,999	2 564	2 282	113	169	755	356	112	134	60	39	16	38
\$25,000 to \$34,999	3 532	3 276	166	90	543	286	73	78	46	44	12	4
\$35,000 to \$49,999	1 864	1 749	77	38	233	93	41	19	37	30	13	—
\$50,000 or more	1 023	970	43	10	124	51	17	6	44	—	—	6
Median	\$21 579	\$22 401	\$17 471	\$13 160	\$9 994	\$11 996	\$10 897	\$9 423	\$9 227	\$7 689	\$5 445	\$12 114
Mean	\$24 733	\$25 685	\$21 533	\$14 860	\$12 320	\$14 189	\$12 352	\$11 976	\$11 999	\$9 313	\$8 228	\$16 051
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment	16 198	14 215	905	1 078	10 060	3 364	1 737	1 369	1 558	1 290	545	197
Steam or hot water system	1 055	989	60	6	1 615	186	154	319	387	538	31	—
Central warm-air furnace or electric heat pump	13 965	12 215	749	1 001	5 122	2 046	1 059	677	567	402	219	152
Other built-in electric units	163	131	32	—	1 035	130	72	143	243	168	275	4
Floor, wall, or pipeless furnace	329	287	5	37	746	309	177	70	74	92	5	19
Other means	686	593	59	34	1 542	693	275	160	287	90	15	22
Air conditioning	7 256	6 102	454	700	3 378	683	373	509	465	702	521	125
Central system	3 107	2 525	230	352	1 176	246	178	199	159	194	152	48
Vehicles available	15 705	13 827	864	1 014	8 284	3 047	1 501	1 165	1 223	918	237	193
1	4 360	3 548	312	500	4 856	1 389	902	770	811	697	207	80
2 or more	11 345	10 279	552	514	3 428	1 658	599	395	412	221	30	113
House heating fuel	16 198	14 215	905	1 078	10 060	3 364	1 737	1 369	1 558	1 290	545	197
Utility gas	48	37	—	11	119	76	9	15	6	6	7	—
Bottled, tank, or LP gas	414	327	55	32	1 499	175	169	227	287	276	355	10
Electricity	6	6	—	—	60	5	31	—	12	12	—	—
Fuel oil, kerosene, etc.	34	26	8	—	50	—	—	16	—	34	—	—
Other	8	8	—	—	26	—	—	9	—	17	—	—
Water heating fuel	16 205	14 222	905	1 078	10 041	3 364	1 737	1 356	1 558	1 284	545	197
Utility gas	15 147	13 464	808	875	8 142	3 036	1 481	1 055	1 254	866	259	171
Bottled, tank, or LP gas	128	106	6	16	226	82	39	54	16	28	—	7
Electricity	916	646	83	187	1 630	246	217	238	277	347	286	19
Fuel oil, kerosene, etc.	6	6	—	—	17	—	—	—	11	6	—	—
Other	8	8	—	—	26	—	—	9	—	17	—	—
Family householder	13 311	12 036	548	727	4 258	2 006	726	545	513	308	58	102
With own children under 18 years	6 481	6 025	183	273	2 485	1 280	404	309	285	163	—	44
With own children under 6 years	2 445	2 167	84	194	1 473	669	298	216	179	96	—	15
Female householder, no husband present	1 243	1 108	51	84	1 079	449	173	139	172	108	11	27
With own children under 18 years	729	651	25	53	821	342	125	105	126	101	—	22
With own children under 6 years	166	130	15	21	431	147	85	63	83	53	—	22
Nonfamily householder	2 894	2 186	357	351	5 802	1 358	1 011	824	1 045	982	487	95
Income in 1979 below poverty level	4.4	3.9	5.4	10.1	22.1	20.7	19.1	24.0	22.9	24.8	30.6	13.2

Table B-9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and 8.]

## Billings city

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
<b>Owner-occupied housing units</b>	<b>16 205</b>	<b>2 587</b>	<b>5 872</b>	<b>3 015</b>	<b>2 843</b>	<b>1 258</b>	<b>458</b>	<b>103</b>	<b>69</b>	<b>2.44</b>	<b>45 296</b>
Nonrelatives present	513	—	240	171	51	24	15	12	—	2.60	1 517
<b>ROOMS</b>											
1 to 3 rooms	400	178	172	16	34	—	—	—	—	1.63	697
4 rooms	2 389	852	1 158	242	112	14	11	—	—	1.80	4 544
5 rooms	3 836	752	1 568	797	493	180	27	19	—	2.24	9 503
6 rooms	2 677	333	1 108	548	425	212	51	—	—	2.41	7 291
7 rooms	2 266	249	820	389	516	194	39	29	30	2.66	6 709
8 or more rooms	4 637	223	1 046	1 023	1 263	658	330	55	39	3.52	16 552
Median	6.1	4.9	5.5	6.3	7.2	7.6	8.5+	8.5+	7.7	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	16 167	2 576	5 858	3 015	2 838	1 258	458	95	69	2.44	45 182
1.00 or less	16 027	2 576	5 858	3 015	2 804	1 244	420	76	34	2.43	44 427
1.01 to 1.50	135	—	—	—	29	14	38	19	35	6.14	729
1.51 or more	5	—	—	—	5	—	—	—	—	4.00	26
Lacking complete plumbing for exclusive use	38	11	14	—	5	—	—	8	—	2.07	114
1.00 or less	38	11	14	—	5	—	—	8	—	2.07	114
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	14 222	1 965	5 033	2 740	2 678	1 205	447	89	65	2.54	40 442
2 or more	905	316	341	115	63	41	11	14	4	1.90	2 318
Mobile home or trailer, etc.	1 078	306	498	160	102	12	—	—	—	1.97	2 536
<b>VALUE</b>											
Specified owner-occupied housing units	13 589	1 866	4 832	2 627	2 548	1 135	434	82	65	2.54	38 383
Less than \$10,000	44	15	29	—	—	—	—	—	—	1.74	69
\$10,000 to \$19,999	275	96	116	38	19	6	—	—	—	1.86	494
\$20,000 to \$29,999	707	208	338	79	24	42	10	6	—	1.93	1 466
\$30,000 to \$39,999	1 276	398	548	151	91	71	17	—	—	1.94	2 543
\$40,000 to \$49,999	2 763	489	1 074	509	467	153	51	20	—	2.33	6 642
\$50,000 to \$59,999	3 322	275	1 153	704	691	313	130	15	41	2.83	10 401
\$60,000 to \$79,999	3 438	264	1 143	757	775	310	149	21	19	2.91	10 674
\$80,000 to \$99,999	1 054	69	240	220	312	150	38	20	5	3.49	3 710
\$100,000 to \$149,999	574	35	148	142	145	73	31	—	—	3.23	1 977
\$150,000 or more	136	17	43	27	24	17	8	—	—	2.80	407
Median	\$54 500	\$44 700	\$52 400	\$57 000	\$59 700	\$59 100	\$61 200	\$62 500	\$58 800	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	16 205	2 587	5 872	3 015	2 843	1 258	458	103	69	2.44	45 296
Median income	\$21 579	\$9 946	\$20 714	\$23 738	\$25 959	\$29 100	\$28 172	\$27 679	\$24 464	...	...
Median selected monthly owner costs as percentage of household income	16.9	21.7	13.8	16.9	19.1	17.0	19.7	19.3	23.5	...	...
With a mortgage	20.1	31.9	19.0	19.2	19.8	18.2	20.3	20.4	23.5	...	...
Not mortgaged	10—	16.1	10—	10—	10—	10—	10—	10—	—	—	—
Income in 1979 below poverty level	714	271	155	127	94	44	15	8	—	2.05	...
Median income	\$2 908	\$2500—	\$3 490	\$3 456	\$3 088	\$2500—	\$2500—	\$8 750	—	—	...
Median selected monthly owner costs as percentage of household income	50+	50.0	29.6	50+	50+	50+	—	—	—	—	...
With a mortgage	50+	50+	50+	50+	50+	50+	—	—	—	—	...
Not mortgaged	32.7	36.3	26.5	50+	—	17.5	—	—	—	—	...
Renter-occupied housing units	10 060	4 672	2 849	1 269	804	283	83	65	35	1.63	19 873
Nonrelatives present	1 361	—	980	240	119	8	—	14	—	2.19	3 184
<b>ROOMS</b>											
1 room	508	462	30	16	—	—	—	—	—	1.05	555
2 rooms	908	779	96	21	12	—	—	—	—	1.08	1 073
3 rooms	2 351	1 585	612	100	31	16	—	7	—	1.24	3 373
4 rooms	3 169	1 217	1 193	489	206	47	13	4	—	1.81	6 242
5 rooms	1 732	465	628	348	194	42	33	11	11	2.14	4 057
6 rooms	774	81	180	167	192	81	28	32	13	3.25	2 520
7 or more rooms	618	83	110	128	169	97	9	11	11	3.41	2 053
Median	3.9	3.2	4.1	4.5	5.3	6.0	5.4	5.8	6.0	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	9 643	4 360	2 787	1 238	804	271	83	65	35	1.67	19 308
1.00 or less	9 379	4 360	2 767	1 212	761	220	37	11	11	1.62	17 845
1.01 to 1.50	201	—	—	21	31	47	46	43	13	5.53	1 130
1.51 or more	63	—	20	5	12	4	—	11	11	4.04	333
Lacking complete plumbing for exclusive use	417	312	62	31	—	12	—	—	—	1.17	565
1.00 or less	384	312	52	20	—	—	—	—	—	1.12	460
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	33	—	10	11	—	12	—	—	—	3.09	105
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	3 364	994	979	580	457	218	59	46	31	2.20	8 471
2	1 737	750	586	206	146	14	24	7	4	1.70	3 479
3 and 4	1 369	636	412	221	83	13	—	4	—	1.62	2 536
5 to 9	1 558	860	432	171	65	22	—	8	—	1.41	2 567
10 to 49	1 290	890	283	64	42	11	—	—	—	1.22	1 845
50 or more	545	477	62	6	—	—	—	—	—	1.07	577
Mobile home or trailer, etc.	197	65	95	21	11	5	—	—	—	1.85	398
<b>GROSS RENT</b>											
Specified renter-occupied housing units	9 979	4 617	2 837	1 259	800	283	83	65	35	1.63	19 738
Less than \$100	790	639	99	39	13	—	—	—	—	1.12	974
\$100 to \$149	1 085	731	232	65	39	6	6	—	6	1.24	1 634
\$150 to \$199	1 935	1 131	511	164	67	29	33	—	—	1.36	3 353
\$200 to \$249	1 977	989	627	243	71	31	8	8	—	1.50	3 658
\$250 to \$299	1 542	496	571	253	171	38	—	9	4	1.98	3 480
\$300 to \$349	1 236	297	411	263	174	56	5	19	11	2.28	3 033
\$350 to \$399	492	85	146	98	81	47	10	18	7	2.65	1 288
\$400 to \$449	483	62	102	103	144	49	16	—	7	3.25	1 277
\$500 or more	161	52	35	21	24	13	5	11	—	2.31	553
No cash rent	278	135	103	10	16	14	—	—	—	1.54	488
Median	\$223	\$190	\$241	\$271	\$309	\$327	\$216	\$341	\$334	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	10 060	4 672	2 849	1 269	804	283	83	65	35	1.63	19 873
Median income	\$9 994	\$7 497	\$12 552	\$11 985	\$14 650	\$17 716	\$15 139	\$15 536	\$9 931	...	...
Median gross rent as percentage of household income	25.9	27.6	23.4	25.5	26.3	23.3	24.5	28.2	50+	...	...
Income in 1979 below poverty level	2 225	1 002	540	339	220	50	27	23	24	1.70	...
Median income	\$3 341	\$2 619	\$3 619	\$4 164	\$4 388	\$3 750	\$6 607	\$8 487	\$9 167	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	50+	32.0	49.3	50+	...	...

Table B-10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendices A and B.]

Billings, city		Married-couple families						Male householder, no wife present						Female householder, no husband present					
		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
Total	16 205	430	2 572	2 212	4 703	1 920	153	415	240	241	214	74	385	422	1 096	1 128	49.4		
Owner-occupied housing units																			
PERSONS IN UNIT																			
1 person	2 587	230	544	167	2 323	1 705	87	249	153	172	167	19	128	94	593	925	61.6		
2 persons	3 015	137	641	341	1 27	178	34	47	41	46	39	31	100	262	176	116	59.0		
3 persons	2 843	964	893	734	327	37	—	—	13	7	—	24	127	167	167	16	44.8		
4 persons	1 258	16	313	515	296	272	—	8	5	6	—	6	53	39	23	39	40.3		
5 persons	2 444	110	417	253	2 06	1 38	1 33	1 28	1 20	1 14	8	—	9	15	15	15	41.4		
6 or more persons	45 296	1 128	9 355	13 711	4 065	241	671	460	353	276	177	854	1 166	1 422	1 111	1 111	35.5		
Median																			
Total persons																			
PLUMBING FACILITIES BY PERSONS PER ROOM																			
Complete plumbing for exclusive use	16 167	430	2 567	2 212	4 693	1 916	153	415	240	241	202	74	385	422	1 089	1 128	49.4		
1.01 or more persons per room	1 400	—	54	37	49	7	4	—	—	—	12	—	—	—	—	—	39.0		
Lacking complete plumbing for exclusive use	38	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	61.3		
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																			
Specified owner-occupied housing units	13 589	267	2 225	2 015	4 107	1 624	91	304	173	159	157	34	320	355	851	897	49.3		
With a mortgage	9 805	267	2 182	1 911	3 138	1 488	91	283	163	155	158	21	296	334	84	118	42.0		
Less than 15 percent	3 209	33	264	584	1 904	121	31	37	41	26	—	14	59	84	11	49.6			
15 to 19 percent	1 646	52	371	439	449	57	7	38	35	24	—	52	60	48	14	40.4			
20 to 24 percent	1 501	40	505	342	301	67	12	38	34	19	—	6	40	87	10	37.8			
25 to 29 percent	1 133	55	472	222	171	43	10	48	—	—	—	23	29	60	—	34.2			
30 to 34 percent	753	15	232	149	80	39	—	68	23	—	12	42	28	51	14	35.8			
35 percent or more	1 505	72	323	164	222	81	31	54	30	26	6	21	153	109	144	69			
Not computed	151	—	11	11	11	—	—	—	—	—	—	—	—	—	—	—	37.8		
Median																			
Not mortgaged	3 784	10	43	104	969	1 216	—	28.0	20.8	19.5	—	50+	35.8	24	25.6	26.5	44.8		
10 to 14 percent	1 924	—	32	93	12	589	15	21	10	64	139	13	7	21	37.1	77.7	66.9		
15 to 19 percent	817	—	11	6	129	297	—	6	—	51	49	—	7	21	129	163	62.7		
20 to 24 percent	490	—	5	5	52	250	—	—	—	8	24	7	4	—	116	209	69.8		
25 to 29 percent	124	—	—	—	12	64	—	—	—	5	37	—	8	—	64	131	70.2		
30 to 34 percent	126	—	—	—	6	15	—	—	—	6	15	—	6	—	19	104	75.1		
35 percent or more	51	—	—	—	15	14	—	—	—	6	8	—	5	—	36	48	67.7		
Not computed	135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	36	36		
Median																78.8	73.3		
10 to 14 percent	10—	10—	10—	10—	10—	10—	10—	10—	10—	10—	10—	10—	14.3	14.6	15.6	10—	15.7	...	
15 to 19 percent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
20 to 24 percent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
25 to 29 percent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30 to 34 percent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
35 percent or more	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Not computed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Median																			
Renter-occupied housing units	10 060	730	995	371	553	316	926	980	248	262	1 167	953	346	720	1 005	31.8			
PERSONS IN UNIT																			
1 person	4 672	—	413	282	60	276	—	495	682	167	428	232	541	495	149	496	39.4		
2 persons	2 849	205	302	84	114	109	—	363	236	59	52	22	445	188	75	18	27.7		
3 persons	1 269	—	98	259	103	50	—	60	19	9	8	8	137	187	65	65	—		
4 persons	804	14	126	126	109	8	—	—	35	13	8	—	44	49	38	32	32.8		
5 persons	283	—	135	26	74	26	—	—	—	—	—	—	19	6	32	32	33.2		
6 or more persons	1 633	2.38	3.21	3.90	1 250	2.04	1 444	1 366	1 22	1 24	1 07	1 06	1 60	1 85	1 24	1 23	38.7		
Median	19 839	3 326	1 661	1 528	643	—	—	—	—	—	—	265	591	1 920	1 873	857	984	—	
PLUMBING FACILITIES BY PERSONS PER ROOM																			
Complete plumbing for exclusive use	9 643	713	983	371	548	316	865	917	222	426	212	1 116	934	331	720	969	31.8		
1.01 or more persons per room	264	9	65	79	5	61	4	63	26	62	51	19	7	37	—	—	36.4		
Lacking complete plumbing for exclusive use	417	17	12	12	—	—	7	—	—	—	10	—	—	—	—	—	23.0		
1.01 or more persons per room	33	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																			
Specified renter-occupied housing units	9 979	730	991	364	553	316	926	980	241	476	248	1 164	940	346	715	989	31.7		
Less than 15 percent	1 565	80	138	232	88	138	37	125	215	84	84	31	82	46	45	45	33.5		
15 to 19 percent	1 454	132	180	239	48	141	47	155	182	44	44	17	99	113	113	113	31.7		
20 to 24 percent	1 185	121	130	140	44	65	35	137	192	20	38	30	146	96	184	184	29.7		
25 to 29 percent	786	82	87	127	50	48	113	119	21	35	29	75	136	52	142	142	31.8		
30 to 34 percent	1 271	62	69	62	17	15	36	104	73	11	16	23	90	59	41	47	30.3		
35 to 49 percent	1 772	104	86	60	57	36	135	73	40	76	47	121	52	80	80	80	30.3		
50 percent or more	378	11	8	11	48	18	1 24.6	24.6	28.1	22.3	18.7	18.1	31.6	37.9	30	30	31.8		
Not computed	25.9	20.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Median																	29.2		

Table B-11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Billings city	Male householder							Female householder						
	Total	Male householder						Total	Female householder					
		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years
Owner-occupied housing units	2 587	828	87	249	153	172	167	1 759	19	128	94	593	925	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	2 576	824	87	249	153	172	163	1 752	19	128	94	586	925	
Lacking complete plumbing for exclusive use	11	4	—	—	—	—	4	7	—	—	—	7	—	
UNITS IN STRUCTURE														
1, detached or attached	1 965	621	59	184	121	133	124	1 344	7	100	56	427	754	
2 or more	316	150	23	41	27	33	26	166	—	—	21	58	87	
Mobile home or trailer, etc.	306	57	5	24	5	6	17	249	12	28	17	108	84	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	541	128	17	32	6	6	67	413	—	16	4	96	297	
\$5,000 to \$9,999	760	135	7	26	7	51	44	625	19	26	32	234	314	
\$10,000 to \$12,499	272	45	5	17	10	—	13	227	—	23	19	100	85	
\$12,500 to \$14,999	277	97	24	61	—	—	12	180	—	38	5	47	90	
\$15,000 to \$19,999	258	126	10	49	39	14	14	132	—	25	16	56	35	
\$20,000 to \$24,999	285	163	12	25	45	64	17	122	—	—	13	49	60	
\$25,000 to \$34,999	108	71	5	31	18	17	—	37	—	5	5	27	—	
\$35,000 to \$49,999	35	23	—	5	5	13	—	12	—	—	—	—	12	
\$50,000 or more	51	40	7	3	23	7	—	11	—	—	—	6	5	
Median	\$9 946	\$15 479	\$14 010	\$14 529	\$21 098	\$20 721	\$6 473	\$8 624	\$8 173	\$12 391	\$11 447	\$9 128	\$7 364	
Mean	\$12 978	\$18 321	\$19 678	\$16 743	\$28 573	\$20 047	\$8 798	\$10 463	\$8 512	\$11 647	\$12 777	\$10 928	\$9 805	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS														
Specified owner-occupied housing units	1 866	571	54	174	111	108	124	1 295	7	94	56	405	733	
With a mortgage	820	390	54	159	101	64	12	430	7	81	49	196	97	
Less than \$200	97	39	15	15	9	—	—	58	—	—	7	51	—	
\$200 to \$249	104	52	11	—	14	21	6	52	—	—	4	35	13	
\$250 to \$299	97	13	—	8	5	—	—	84	—	13	11	29	31	
\$300 to \$349	167	79	14	47	—	12	6	88	—	25	27	19	17	
\$350 to \$399	100	58	—	14	33	11	—	42	7	21	—	14	—	
\$400 to \$449	120	80	7	53	6	14	—	40	—	15	—	20	5	
\$500 to \$599	103	43	7	19	17	—	—	60	—	7	—	22	31	
\$600 to \$749	16	16	—	3	13	—	—	—	—	—	—	—	—	
\$750 or more	16	10	—	—	4	6	—	6	—	—	—	6	—	
Median	\$334	\$360	\$304	\$384	\$384	\$346	\$275	\$312	\$375	\$356	\$305	\$271	\$313	
Not mortgaged	1 046	181	—	15	10	44	112	865	—	13	7	209	636	
Less than \$50	31	16	—	9	—	—	7	15	—	—	—	—	15	
\$50 to \$74	132	28	—	—	10	7	11	104	—	—	—	20	84	
\$75 to \$99	295	74	—	6	—	8	60	221	—	—	7	43	171	
\$100 to \$124	246	36	—	—	—	14	—	210	—	—	—	50	160	
\$125 to \$149	158	10	—	—	—	10	—	148	—	8	—	34	106	
\$150 to \$199	104	11	—	—	—	5	6	93	—	5	—	31	57	
\$200 to \$249	48	6	—	—	—	—	6	42	—	—	—	18	24	
\$250 or more	32	—	—	—	—	—	—	32	—	—	—	13	19	
Median	\$107	\$91	—	\$50	\$63	\$113	\$91	\$111	—	\$145	\$88	\$121	\$107	
SELECTED CHARACTERISTICS														
Median selected monthly owner costs as percentage of household income in 1979	21.7	22.5	18.6	29.1	18.4	13.8	22.2	21.3	50+	36.0	22.9	21.9	19.1	
With a mortgage	31.9	26.9	18.6	29.8	19.6	20.7	42.0	35.7	50+	36.3	24.0	34.0	46.4	
Not mortgaged	16.1	12.0	—	10—	10—	10—	21.4	16.7	—	19.1	10—	14.5	17.5	
Income in 1979 below poverty level	271	58	6	25	6	6	15	213	—	6	—	78	129	
Percent below poverty level	10.5	7.0	6.9	10.0	3.9	3.5	9.0	12.1	—	4.7	—	13.2	13.9	
Renter-occupied housing units	4 672	2 004	495	682	167	428	232	2 668	541	495	149	496	987	
PLUMBING FACILITIES														
Complete plumbing for exclusive use	4 360	1 752	444	619	141	366	182	2 608	523	489	149	496	951	
Lacking complete plumbing for exclusive use	312	252	51	63	26	62	50	60	18	6	—	—	36	
UNITS IN STRUCTURE														
1, detached or attached	994	500	115	187	45	88	65	494	63	111	44	116	160	
2	750	249	129	59	6	55	—	501	102	140	23	105	131	
3 and 4	636	248	57	126	27	38	—	388	104	50	42	90	102	
5 to 9	860	456	115	166	41	66	68	404	136	87	8	58	115	
10 to 49	890	392	71	110	35	129	47	498	109	93	26	96	174	
50 or more	477	116	—	27	13	24	52	361	27	7	—	27	300	
Mobile home or trailer, etc.	65	43	8	7	—	28	—	22	—	7	6	4	5	
HOUSEHOLD INCOME IN 1979														
Less than \$5,000	1 592	541	134	95	26	129	157	1 051	208	67	41	214	521	
\$5,000 to \$9,999	1 447	554	185	173	56	93	47	893	232	195	51	128	287	
\$10,000 to \$12,499	567	265	62	135	6	56	6	302	38	87	26	65	86	
\$12,500 to \$14,999	398	142	37	68	12	20	5	256	50	94	18	35	59	
\$15,000 to \$19,999	352	256	54	127	31	32	12	96	6	52	13	7	18	
\$20,000 to \$24,999	161	110	10	49	7	44	—	51	7	—	—	28	16	
\$25,000 to \$34,999	82	76	7	22	15	27	5	6	—	—	6	—	—	
\$35,000 to \$49,999	41	41	6	7	8	20	—	—	—	—	—	—	—	
\$50,000 or more	32	19	—	6	6	7	—	13	—	—	—	13	—	
Median	\$7 497	\$9 173	\$8 360	\$11 352	\$10 625	\$9 535	\$4 218	\$6 499	\$6 100	\$9 688	\$8 878	\$6 328	\$4 836	
Mean	\$9 095	\$11 045	\$9 077	\$12 226	\$15 049	\$12 642	\$5 942	\$7 630	\$6 723	\$9 521	\$8 624	\$9 119	\$6 280	
GROSS RENT														
Specified renter-occupied housing units	4 617	1 977	495	682	160	422	218	2 640	541	488	149	491	971	
Less than \$100	639	299	13	75	13	96	102	340	12	—	5	64	259	
\$100 to \$149	731	309	81	64	41	109	14	422	106	69	13	82	152	
\$150 to \$199	1 131	507	170	207	22	78	30	624	140	161	34	100	189	
\$200 to \$249	989	420	143	141	50	58	28	569	174	133	45	96	121	
\$250 to \$299	496	200	33	111	14	31	11	296	45	75	14	59	103	
\$300 to \$349	297	111	32	36	9	20	14	186	41	31	7	40	67	
\$350 to \$399	85	42	15	27	—	—	—	43	—	6	14	13	10	
\$400 to \$449	62	15	—	9	6	—	—	47	9	6	17	6	9	
\$500 or more	52	25	—	12	—	13	—	27	7	7	—	7	6	
No cash rent	135	49	8	—	5	17	19	86	7	—	—	24	55	
Median	\$190	\$187	\$194	\$199	\$202	\$148	\$96	\$192	\$202	\$204	\$228	\$191	\$161	
SELECTED CHARACTERISTICS														
Median gross rent as percentage of household income in 1979	27.6	24.1	29.2	22.7	17.1	18.0	33.3	29.9	38.1	25.3	36.5	28.9	29.3	
Income in 1979 below poverty level	1 002	315	75	49	14	92	85	687	151	55	34	160	287	
Percent below poverty level	21.4	15.7	15.2	7.2	8.4	21.5	36.6	25.7	27.9	11.1	22.8	32.3	29.1	

Table B-12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Billings city	Total	Less than 2 months			2 up to 6 months			6 or more months			Billings city		Total	Less than 2 months			2 up to 6 months			
		Less than 2 months	2 up to 6 months	6 or more months	Less than 2 months	2 up to 6 months	6 or more months	Less than 2 months	2 up to 6 months	6 or more months				Less than 2 months	2 up to 6 months	6 or more months	Less than 2 months	2 up to 6 months	6 or more months	
Vacant for sale only housing units	312	85	142	85	Vacant for rent housing units	999	681	228	90	PLUMBING FACILITIES	950	648	222	80	PLUMBING FACILITIES	950	648	222	80	
ROOMS					ROOMS					Complete plumbing for exclusive use	950	648	222	80	Complete plumbing for exclusive use	950	648	222	80	
1 to 3 rooms	14	6	4	4	1 room	34	23	6	5	Lacking complete plumbing for exclusive use	49	33	6	10	Lacking complete plumbing for exclusive use	49	33	6	10	
4 rooms	27	13	8	6	2 rooms	83	78	5	—	BEDROOMS	34	23	6	5	BEDROOMS	34	23	6	5	
5 rooms	69	12	57	—	3 rooms	308	178	70	60	None	34	23	6	5	None	34	23	6	5	
6 rooms	89	27	30	32	4 rooms	362	234	117	111	1	424	289	80	55	1	424	289	80	55	
7 rooms	42	—	28	14	5 rooms	144	120	10	14	2	410	264	122	24	2	410	264	122	24	
8 or more rooms	71	27	15	29	6 rooms	29	23	6	—	3	110	97	7	6	3	110	97	7	6	
Median	6.0	5.9	5.6	6.5	7 or more rooms	39	25	14	—	4	21	8	13	—	4	21	8	13	—	
PLUMBING FACILITIES					Median	3.7	3.8	3.8	3.2	PRICE ASKED	283	204	51	28	PRICE ASKED	283	204	51	28	
Complete plumbing for exclusive use	312	85	142	85	Specified vacant for sale only housing units	265	64	122	79	Specified vacant for sale only housing units	265	64	122	79	Specified vacant for sale only housing units	265	64	122	79	
Lacking complete plumbing for exclusive use	—	—	—	—	Less than \$10,000	—	—	—	—	Less than \$100	999	681	228	90	Less than \$100	999	681	228	90	
BEDROOMS					\$10,000 to \$19,999	6	6	—	—	\$100 to \$149	91	54	21	16	\$100 to \$149	91	54	21	16	
None	4	—	4	—	\$20,000 to \$29,999	—	—	—	—	\$150 to \$199	150	90	25	35	\$150 to \$199	150	90	25	35	
1	10	6	—	4	\$30,000 to \$39,999	—	—	—	—	\$200 to \$249	274	190	65	19	\$200 to \$249	274	190	65	19	
2	84	35	43	6	\$40,000 to \$49,999	—	—	—	—	\$250 to \$299	148	129	19	—	\$250 to \$299	148	129	19	—	
3	147	33	72	42	\$50,000 to \$59,999	—	—	—	—	\$300 to \$399	261	169	72	20	\$300 to \$399	261	169	72	20	
4	53	11	18	24	\$60,000 to \$79,999	—	—	—	—	\$400 or more	48	29	19	—	\$400 or more	48	29	19	—	
5 or more	14	—	5	9	\$80,000 to \$95,999	—	—	—	—	Median	197	202	205	\$128	Median	197	202	205	\$128	
YEAR STRUCTURE BUILT					Less than 2 months	65	200	\$49 600	\$62 200	2 up to 6 months	999	91	424	409	200	999	91	424	409	200
1975 to March 1980	188	28	102	58	6 or more months	62	200	\$76 600	\$76 600	6 or more months	999	681	228	90	6 or more months	999	681	228	90	
1970 to 1974	9	—	9	—	YEAR STRUCTURE BUILT	213	128	73	12	YEAR STRUCTURE BUILT	213	128	73	12	YEAR STRUCTURE BUILT	213	128	73	12	
1960 to 1969	28	18	5	5	1975 to March 1980	84	62	22	—	1970 to 1974	84	62	22	—	1970 to 1974	84	62	22	—	
1950 to 1959	34	18	3	13	1970 to 1974	69	48	13	8	1960 to 1969	69	48	13	8	1960 to 1969	69	48	13	8	
1940 to 1949	26	12	10	4	1950 to 1959	174	150	10	14	1940 to 1949	174	150	10	14	1940 to 1949	174	150	10	14	
1939 or earlier	27	9	13	5	1939 or earlier	180	119	30	31	1939 or earlier	180	119	30	31	1939 or earlier	180	119	30	31	
UNITS IN STRUCTURE					UNITS IN STRUCTURE	279	174	80	25	UNITS IN STRUCTURE	279	174	80	25	UNITS IN STRUCTURE	279	174	80	25	
1, detached or attached	274	73	122	79	1, detached or attached	283	204	51	28	2	145	99	22	24	2	145	99	22	24	
2 or more	22	9	7	6	2	169	105	38	26	3	210	108	90	12	3	210	108	90	12	
Mobile home or trailer	16	3	13	—	3 to 4	125	110	15	—	4 to 9	19	19	—	—	4 to 9	19	19	—	—	
HEATING EQUIPMENT					5 to 9	48	36	12	—	50 or more	48	36	12	—	50 or more	48	36	12	—	
Central heating system	298	85	132	81	Mobile home or trailer	—	—	—	—	PRICE ASKED	283	204	51	28	PRICE ASKED	283	204	51	28	
Other means	14	—	10	4	PRICE ASKED	999	681	228	90	None	265	64	122	79	None	265	64	122	79	
None	—	—	—	—	Specified vacant for rent housing units	999	681	228	90	1	145	99	22	24	1	145	99	22	24	
PRICE ASKED					Less than \$100	91	54	21	16	2	169	105	38	26	2	169	105	38	26	
Specified vacant for sale only housing units	265	64	122	79	\$100 to \$149	150	90	25	35	3	210	108	90	12	3	210	108	90	12	
Less than \$10,000	—	—	—	—	\$150 to \$199	274	190	65	19	4	19	12	5	157	4	12	5	157		
\$10,000 to \$19,999	6	6	—	—	\$200 to \$249	148	129	19	—	5	125	110	15	—	5	125	110	15	—	
\$20,000 to \$29,999	—	—	—	—	\$250 to \$299	261	169	72	20	6	48	29	19	—	6	48	29	19	—	
\$30,000 to \$39,999	—	—	—	—	\$300 to \$399	48	29	19	—	7	27	20	7	—	7	27	20	7	—	
\$40,000 to \$49,999	9	—	4	—	\$400 or more	27	20	7	—	8	197	\$202	\$205	\$128	8	197	\$202	\$205	\$128	8
\$50,000 to \$59,999	—	—	—	—	Median	197	\$202	\$205	\$128	9	—	—	—	—	9	—	—	—	—	
\$60,000 to \$79,999	50	27	16	81	PRICE ASKED	283	204	51	28	10	—	—	—	—	10	—	—	—	—	
\$80,000 to \$95,999	46	—	37	9	Specified vacant for rent housing units	999	681	228	90	11	—	—	—	—	11	—	—	—	—	
\$100,000 or more	127	27	65	35	Less than \$100	91	54	21	16	12	—	—	—	—	12	—	—	—	—	
Median	13	—	—	13	\$100 to \$149	150	90	25	35	13	—	—	—	—	13	—	—	—	—	
	14	4	—	10	\$150 to \$199	274	190	65	19	14	—	—	—	—	14	—	—	—	—	
	65	200	\$49 600	\$62 200	\$200 to \$249	148	129	19	—	15	—	—	—	—	15	—	—	—	—	
	999	91	424	409	\$300 to \$399	261	169	72	20	16	—	—	—	—	16	—	—	—	—	
	681	44	122	109	\$400 or more	48	36	12	—	17	—	—	—	—	17	—	—	—	—	
	228	84	84	77	Median	197	\$202	\$205	\$128	18	—	—	—	—	18	—	—	—	—	
	90	18	15	12	PRICE ASKED	283	204	51	28	19	—	—	—	—	19	—	—	—	—	
	10	12	10	8	Specified vacant for sale only housing units	265	64	122	79	20	—	—	—	—	20	—	—	—	—	
	5	5	4	3	Less than \$100	91	54	21	16	21	—	—	—	—	21	—	—	—	—	
	15	12	10	8	\$100 to \$149	150	90	25	35	22	—	—	—	—	22	—	—	—	—	
	25	20	17	14	\$150 to \$199	274	190	65	19	23	—	—	—	—	23	—	—	—	—	
	35	28	22	18	\$200 to \$249	148	129	19	—	24	—	—	—	—	24	—	—	—	—	
	35	28	22	18	\$250 to \$299	261	169	72	20	25	—	—	—	—	25	—	—	—	—	
	35	28	22	18	\$300 to \$399	48	36	12	—	26	—	—	—	—	26	—	—	—	—	
	35	28	22	18	\$400 or more	27	20	7	—	27	—	—	—	—	27	—	—	—	—	
	35	28	22	18	Median	197	\$202	\$205	\$128	30	—	—	—	—	30	—	—	—	—	
	35	28	22	18	PRICE ASKED	283	204	51	28	31	—	—	—	—	31	—	—	—	—	
	35	28	22	18	Specified vacant for rent housing units	999	681	228	90	32	—	—	—	—	32	—	—	—	—	
	35	28	22	18	Less than \$100	91	54	21	16	33	—	—	—	—	33	—	—	—	—	
	35	28	22	18	\$100 to \$149	150	90	25	35	34	—	—	—	—	34	—	—	—	—	
	35	28	22	18	\$150 to \$199	274	190	65	19	35	—	—	—	—	35	—	—	—	—	
	35	28	22	18	\$200 to \$249	148	129	19	—	36	—	—	—	—	36	—	—	—	—	
	35	28	22	18	\$250 to \$299	261	169	72	20	37	—	—	—	—	37	—	—	—	—	
	35	28	22	18	\$300 to \$399	48	36	12	—	38	—	—	—	—	38	—	—	—	—	
	35	28	22	18	\$400 or more	27	20	7	—	39	—	—	—	—	39	—	—	—	—	
	35	28	22	18	Median	197	\$202	\$205	\$128	40	—	—	—	—	40	—	—	—	—	
	35	28	22	18	PRICE ASKED	283	204	51	28	41	—	—	—	—	41	—	—	—	—	
	35	28	22	18	Specified vacant for sale only housing units	26														

**Table D. Percent of Housing Units in Sample: 1980**

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

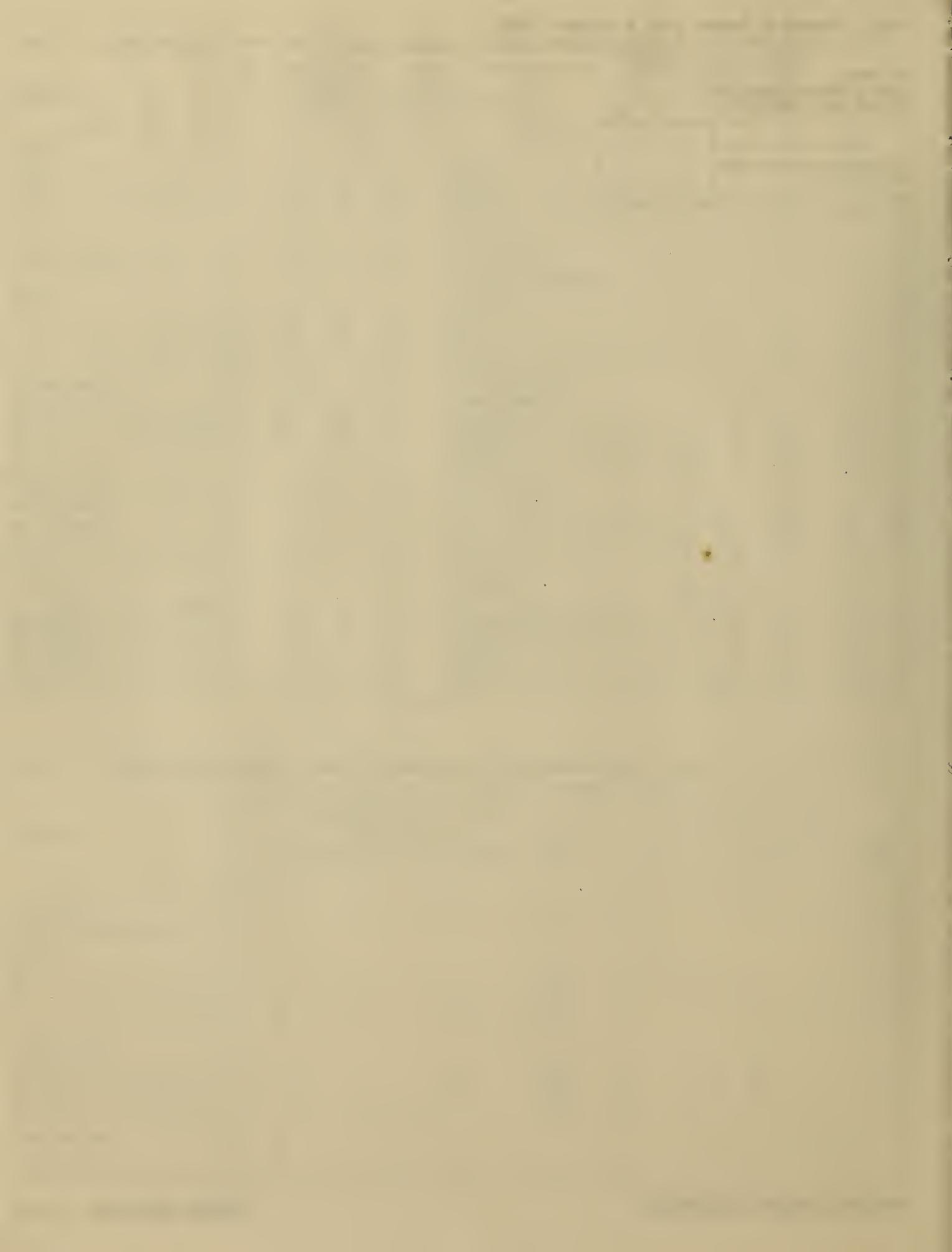
**The SMSA****Places of 50,000 or More and  
Central Cities of SMSA's**

The SMSA -----

**PLACES OF 50,000 OR MORE AND CENTRAL  
CITIES OF SMSA's**

Billings city-----

Housing units		
	100-percent count	Percent in sample
The SMSA -----	42 756	15.9
PLACES OF 50,000 OR MORE AND CENTRAL CITIES OF SMSA's	28 000	15.9
Billings city-----		



## Appendix A.—Area Classifications

REGIONS .....	A-1
STATES .....	A-1
PLACES .....	A-1
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STANDARD METROPOLITAN STATISTICAL AREAS .....	A-1
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### REGIONS

Regions are large groups of States that form the first-order subdivisions of the United States for census purposes. The four regions are the Northeast, North Central, South, and West.

### STATES

The 50 States and the District of Columbia are the constituent units of the United States.

### PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 50,000 are not shown in this report unless they are central cities of standard metropolitan statistical areas.

#### Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six

New England States, New York, and Wisconsin.

#### Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by "(CDP)," meaning "census designated place." In the 1970 and earlier censuses, these places were identified by "(U)," meaning "unincorporated place."

Census designated place boundaries change with changes in the settlement pattern; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP's appear on the county subdivision maps in the HC80-1-A, *General Housing Characteristics*, reports for States. Detailed maps are available for purchase from the Census Bureau.

Eleven states, (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, New Jersey, Pennsylvania, Rhode Island, Vermont, and Wisconsin), contain towns or townships which are coextensive with census designated places (CDP's). Data for these areas are not shown in the tables.

### STANDARD METROPOLITAN STATISTICAL AREAS

#### Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA's are designated and defined

by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area's main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA's are composed of cities and towns rather than whole counties.

The housing units in SMSA's may also be referred to as the metropolitan housing and are subdivided into "inside central city (or cities)" and "outside central city (or cities)." The housing units outside SMSA's constitute the non-metropolitan housing.

In the United States Summary report and the State reports, the data shown for "Central Cities of SMSA's" are the sum of all central cities excluding any rural area and any legal area that is outside of a standard metropolitan statistical area. In the individual SMSA reports, the data shown for central cities and places of 50,000 or more inhabitants are for the legal definition of the city without regard to urban or SMSA restrictions.

#### SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA's include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA's are those named in the titles of the SMSA's,

with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population and housing within the legal city boundaries. In Hawaii where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

### New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the

basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

### BOUNDARY CHANGES

The boundaries of some of the areas shown in this series of reports have

changed between an earlier census and January 1, 1980. Information on boundary changes for incorporated places is presented in table 4 of the 1980 Census of Population report, *Characteristics of the Population, Number of Inhabitants*, PC80-1-A. For information on boundary changes prior to 1970, see the *Number of Inhabitants* report for each census.

### AREA MEASUREMENT

Area measurement figures for standard metropolitan statistical areas, central cities, and places of 50,000 inhabitants or more can be found in the 1980 Census of Population report, PC80-1-A1, United States Summary.

## Appendix B.—Definitions and Explanations of Subject Characteristics

GENERAL	B-1	Persons
LIVING QUARTERS	B-1	Rooms
Housing Units	B-1	Persons Per Room
Comparability With 1970 Census Housing Unit Data	B-2	Bedrooms
Group Quarters	B-2	STRUCTURAL CHARACTERISTICS
Comparability With 1970 Census Group Quarters Data	B-2	Year Structure Built
Rules for Hotels, Rooming Houses, Etc.	B-2	Units in Structure
Staff Living Quarters	B-2	Stories in Structure
Year-Round Housing Units	B-2	Passenger Elevator
OCCUPANCY AND VACANCY CHARACTERISTICS	B-2	PLUMBING CHARACTERISTICS
Occupied Housing Units	B-2	Plumbing Facilities
Householder	B-2	Comparability With 1970 Census Plumbing Facilities
Child	B-2	Data
Nonrelative	B-2	EQUIPMENT AND FUELS
Age of Householder	B-3	Heating Equipment
Household Type	B-3	Comparability With 1970 Census Heating Equipment Data
Year Householder Moved Into Unit	B-3	Air Conditioning
Vacant Housing Units	B-3	Vehicles Available
Vacancy Status	B-3	Comparability With 1970 Census Automobiles Available Data
Duration of Vacancy	B-3	Fuels Used for House Heating and Water Heating
Tenure	B-3	FINANCIAL CHARACTERISTICS
Condominium Housing Units	B-3	Value
Comparability With 1970 Census Condominium Housing Unit Data	B-3	Price Asked
Race of the Householder	B-3	Mortgage Status and Selected Monthly Owner Costs
Comparability Between Sample and 100-Percent Data for Race of the Householder	B-4	Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979
Comparability With 1970 Census Data on Race of the Householder	B-4	Rent
Spanish/Hispanic Origin of the Householder	B-5	Gross Rent as a Percentage of Household Income in 1979
Limitations of the Data on Householders of Spanish/Hispanic Origin	B-5	Household Income in 1979
Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin	B-5	Median Income
Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage	B-5	Comparability With 1970 Census Income Data
UTILIZATION CHARACTERISTICS	B-5	Poverty Status in 1979

determinant for the responses was, therefore, the questionnaire and its accompanying instruction guide. Furthermore, census takers were instructed, in their telephone and personal-visit interviews, to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are drawn largely from various technical and procedural materials used in the collection of the data. These materials helped the census interviewers to understand more fully the intent of each question, and thus to resolve problems or unusual cases in a manner consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Facsimiles of the questionnaire pages containing the population and housing questions used to produce the data shown in this report and the pages of the respondent instruction guide which relate to these questions are presented in Appendix E, "Facsimiles of Respondent Instructions and Questionnaire Pages."

## **LIVING QUARTERS**

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house, mobile home or trailer). However, living quarters may also be in structures intended for non-residential use (e.g., the rooms in a warehouse where a night guard lives); as well as in boats, tents, vans, etc.

**Housing Units**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied as a separate living quarters or, if vacant, intended for occupancy as a separate living quarters. Separate living quarters are those in which the occupants live and eat separately from

## GENERAL

**B-5** The 1980 census was conducted primarily through self-enumeration. The principal

**B-6**

any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the next section on Group Quarters). For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing unit inventory except that boats, tents, vans, caves, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included, provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage are excluded from the housing inventory.

**Comparability With 1970 Census Housing Unit Data**—Although the 1980 census data are generally comparable with 1970 census data, certain changes were introduced for 1980. The part of the 1970 housing unit definition that required a unit to have either (1) direct access or (2) complete kitchen facilities was modified. For 1980, the complete kitchen facilities alternative was dropped, and direct access was required of all housing units. In 1970, vacant mobile homes were not counted as housing units. For 1980, they were included in the housing inventory provided they were intended for occupancy on the site where they stood.

**Group Quarters**—Group quarters are any living quarters which are not classified as housing units. There are two types of group quarters: (1) institutional group quarters, and (2) noninstitutional group quarters. Institutional group quarters are living quarters occupied by one or more persons under care or custody, such as children in an orphanage, persons in a nursing home, and prisoners in a penitentiary. Noninstitutional group quarters include living quarters such as college-owned and/or operated dormitories, fraternity and sorority houses, nurses' dormitories, and boarding houses. In addition, noninstitutional group quarters include any living

quarters (other than those classified as institutional group quarters) which are occupied by 9 or more persons unrelated to the householder (person listed in column 1 of the census questionnaire), or by 10 or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Comparability With 1970 Census Group Quarters Data**—In 1970 a unit was classified as group quarters if it was shared by the person in charge and five or more persons unrelated to him or her, or if there was no person in charge, by six or more unrelated persons. For 1980 that requirement was raised to 9 or more persons unrelated to the person listed in column 1 of the census questionnaire or 10 or more unrelated persons.

**Rules for Hotels, Rooming Houses, Etc.**—Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or who have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, they are classified as one housing unit. If the combined quarters contain nine or more roomers unrelated to the householder or person in charge, they are classified as group quarters.

**Staff Living Quarters**—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered as group quarters.

**Year-Round Housing Units**—Data on housing characteristics in the 1980 census reports are limited to year-round housing units; i.e., all occupied units plus vacant

units available or intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because of the difficulty of obtaining reliable data on their characteristics.

## OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied Housing Units**—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; e.g., away on vacation. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, therefore, the number of occupied housing units equals the number of households in the 1980 Census of Population reports.

In this report the numbers shown for occupied housing units are estimates based on a sample. In some cases there may be small differences between figures on occupied housing units shown here and comparable figures on households in the Census of Population reports. These differences may result from processing procedures used to inflate the population and housing sample data.

**Householder**—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder."

**Child**—A child is a son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. In this report, those classified as "own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.

**Nonrelative**—A nonrelative is any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are classified as nonrelatives. This report shows the number of households with one or more nonrelatives present in the unit.

**Age of Householder**—The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference, as calculated in the computer, between date of birth and April 1, 1980.

**Household Type**—Statistics by age of householder are presented separately for the following household types:

*Married-couple families.* For each household of this type, the householder and his or her spouse are enumerated as members of the same household. This category includes couples in formal marriages as well as in common-law marriages.

*Male householder, no wife present.* This type includes any household maintained by a male, regardless of his marital status, provided no wife is present in the household. Included are male householders who have no wife; male householders whose wives live elsewhere because of separation (marital discord) or other reason; and male householders who are widowed, divorced, or single.

*Female householder, no husband present.* This type includes any household maintained by a female, regardless of her marital status, provided no husband is present in the household. Included are female householders who have no husband and female householders whose husbands live elsewhere, as, for example, husbands in the Armed Forces living on a military base and female householders who are widowed, divorced, or single.

This report presents data on selected characteristics for one-person households, separately for male and female householders.

**Year Householder Moved Into Unit**—Data presented for this item are based on the in-

formation reported for the householder and refer to the year of the latest move. If the householder moved back into a unit the person previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year in which a householder moved is not necessarily the same year as the year other members of the household moved, although in the majority of cases the entire household moved at the same time (see question H19 in appendix E).

**Vacant Housing Units**—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere are also classified as vacant.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; i.e., the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

**Vacancy Status**—The data on vacancy status were tabulated from responses to questionnaire item C (see item C in appendix E). The data presented in this report are for year-round housing units "Vacant for sale only" and "Vacant for rent."

*For sale only.* Vacant year-round units being offered "For sale only," including individual units in cooperatives and condominium projects if the individual units are offered "For sale only."

*For rent.* Vacant year-round units offered "For rent," and vacant units offered either for rent or for sale.

**Duration of Vacancy**—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration (see item D in appendix E). The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

**Tenure**—A housing unit is "Owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. All other occupied units are classified as "Renter occupied," including units rented for cash rent and those occupied without payment of cash rent (see question H8 in appendix E).

**Condominium Housing Units**—A condominium involves ownership that enables a person to own an apartment or house in a development of similar units and to hold a common or joint ownership in common areas, hallways, entrances, elevators, etc. The owner has a deed to the individual unit, and, very likely, a mortgage on the unit. A condominium housing unit need not be occupied by the owner to be counted as such (see question H9 in appendix E).

**Comparability With 1970 Census Condominium Housing Unit Data**—In 1970, owner-occupied cooperatives and condominium housing units were identified together. The 1980 census identifies only condominium housing units. The 1980 question provides data on vacant and renter-occupied condominium housing units, not just owner-occupied condominium housing units as in 1970.

**Race of the Householder**—The data on race of the householder were derived from the answer to question 4, for the person listed in column 1 of the census questionnaire (see appendix E). The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according

to the race with which they identify. In this report, data are presented for housing units classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; if, however, a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and/or wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category. In the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed in the questionnaire but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The category "American Indian, Eskimo, or Aleut" includes persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or wrote in such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as "American Indian."

The category "Asian or Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of Asian and Pacific Islander groups such as Cambodian, Laotian, Pakistani, or Fijian under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and

Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc. "Race, n.e.c." includes all other persons not in the categories "White," "Black," "American Indian, Eskimo, or Aleut," and "Asian or Pacific Islander." Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Interracial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c."

If the race entry for the householder was missing on the questionnaire, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

**Comparability Between Sample and 100-Percent Data for Race of the Householder**—Estimates of the number of householders by race shown in this report may differ from complete count figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. Sampling variability and nonsampling error are explained in Appendix D, "Accuracy of the Data." The effect of the additional edit and review procedures varies substantially by racial group and geographic area but is generally negligible. A discussion of these procedures may be found in Series HC80-1-B, *Detailed Housing Characteristics*, and PC80-1-C, *Social and Economic Characteristics of the Population*.

**Comparability With 1970 Census Data on Race of the Householder**—Differences in census procedures and reporting by respondents in the 1980 census and 1970 census seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census. This difference in reporting has a substantial impact on the population totals and

comparability for the "White" population and the "Race, n.e.c." or "Other" race populations (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" race category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally in 1970, only 1 percent of the Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion—38 percent—of the Spanish origin persons reported their race as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 householder totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, these changes do not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 total for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level of immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded over that in 1970 to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race

category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fijian were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970 data for the two groups were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

**Spanish/Hispanic Origin of the Householder**—The data on Spanish/Hispanic origin or descent of householder were derived from answers to question 7, for the person listed in column 1 of the census questionnaire (see appendix E).

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "Other Spanish/Hispanic" origin are those whose origin is from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc. Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, data are presented for housing units classified by the Spanish origin of the householder.

Persons of more than one Spanish origin and persons of both a Spanish and another origin who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin could not be provided for the person's mother, the first origin reported by the person was recorded.

If the householder failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the

sample edit operation according to available related information such as ancestry and place of birth reported for the householder. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

**Limitations of the Data on Householders of Spanish/Hispanic Origin**—A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred mainly in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 Population Census Supplementary reports, Series PC80-S1-7, "Persons of Spanish Origin by State: 1980."

**Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin**—The data on householders of Spanish origin shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the HC80-1-A series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on householders of Spanish origin. That is, in the case of figures available for Spanish origin groups, both in this report and for corresponding areas in the HC80-1-A report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., units in structure, mortgage status and selected monthly owner costs, gross rent, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

**Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage**—The 1980 census figures on householders of Spanish origin are not directly comparable with the 1970 census data on householders of Spanish origin because of a number of factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvements explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Spanish/Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted from the 1980 question because in 1970 some respondents misinterpreted the category. Furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

The 1970 Census Metropolitan Housing Characteristics reports present data on housing units occupied by householders of Spanish heritage. In the 1970 census, the

category Spanish heritage was created to consolidate data for Spanish ancestry persons in various parts of the United States. The Spanish heritage population, therefore, was specifically termed when reference was made to particular areas. For example, in five southwestern States (Arizona, California, Colorado, New Mexico, and Texas) the population of Spanish heritage was specified as the population of Spanish language or surname; in three mid-Atlantic States (New York, New Jersey, and Pennsylvania), as the population of Puerto Rican birth or parentage; and in the remaining 42 States and the District of Columbia, as the population of Spanish language. The information for the population of Spanish heritage was obtained from the 15-percent sample of the census questionnaires. Data for this group of householders are not comparable to the 1980 census data on householders of Spanish origin which were based only on responses to the specific census question on Spanish/Hispanic origin for the person listed in column 1 of the census questionnaire.

### UTILIZATION CHARACTERISTICS

**Persons**—All persons occupying the housing unit are included. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, roommates, wards, foster children, and resident employees who share the living quarters of the householder. The data on "Persons in unit" show the number of housing units occupied by the specified number of persons. "Total persons" is the total number of persons living in the housing units in the particular category.

**Rooms**—The statistics on "Rooms" are in terms of the number of housing units with a specified number of rooms (see question H7 in appendix E). The intent of this question is to count the number of whole rooms used for living purposes. For each unit they include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling.

**Persons Per Room**—"Persons per room" is a derived measure obtained by dividing the

number of persons in each occupied housing unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

**Bedrooms**—The number of "Bedrooms" in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a sofa bed, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom (see question H24 in appendix E).

### STRUCTURAL CHARACTERISTICS

**Year Structure Built**—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For a houseboat or mobile home or trailer, the manufacturer's model year is assumed to be the year built. The figures shown in this report relate to the number of units in structures built during the specified periods and in existence at the time of enumeration (see question H18 in appendix E).

**Units in Structure**—A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings. The category "Mobile home or trailer, etc." includes mobile homes, trailers, boats, tents, vans, etc. (see question H13 in appendix E).

**Stories in Structure**—The count of stories (floors) in structure includes basements or attics if these contain finished rooms for living purposes (see question H14a in appendix E).

**Passenger Elevator**—Statistics on elevator in structure are presented for housing units in structures with four or more stories or floors. If the housing units in structures with four or

more stories have an elevator used only for freight, the units are not included in the category "With elevator" (see question H14b in appendix E).

### PLUMBING CHARACTERISTICS

**Plumbing Facilities**—The category "Complete plumbing for exclusive use" consists of units which have hot and cold piped water, a flush toilet, and a bathtub or shower inside the housing unit for the exclusive use of the occupants of the unit. "Lacking complete plumbing for exclusive use" includes those conditions when (1) all three specified plumbing facilities are present inside the unit, but are also used by another household; (2) some but not all the facilities are present; or (3) none of the three specified plumbing facilities is present (see question H6 in appendix E).

**Comparability With 1970 Census Plumbing Facilities Data**—In 1970, there were separate questions on the presence of hot and cold piped water, a bathtub or shower, and a flush toilet. For 1980, these three items were combined into a single question on plumbing facilities. In addition, the facilities must be inside the housing unit rather than inside the structure as in 1970.

### EQUIPMENT AND FUELS

**Heating Equipment**—Respondents were asked to report the type of heating equipment used as the primary source of heat for their housing unit. The categories shown in the report are: (1) steam or hot water system; (2) central warm-air furnace or electric heat pump; (3) other built-in electric units; (4) floor, wall, or pipeless furnace; and (5) other means. "Other means" includes room heaters with flue or vent that burn gas, oil, or kerosene; nonportable room heaters without flue or vent that burn gas, oil, or kerosene; and fireplaces, stoves, or portable room heaters of any kind that can be picked up and moved. A central heating system includes types (1) through (4) listed above. For vacant units which have had the heating equipment removed, the kind of equipment used by the previous occupants is considered to be the heating equipment for the unit (see question H20 in appendix E).

**Comparability With 1970 Census Heating Equipment Data**—In 1970, central

heat pumps were included as part of the category "Warm-air furnace" and individual room heat pumps were included in the category "Built-in electric units." In 1980, heat pumps have been combined and are included in this report in the category "Central warm-air furnace or electric heat pump."

**Air Conditioning**—"Air conditioning" is defined as the cooling of air by a refrigeration unit. It does not include evaporative coolers, fans, or blowers which are not connected to a refrigeration unit; however, it does include heat pumps. A central system is an installation which air conditions a number of rooms. In an apartment building, such a system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A system with individual room controls is a central system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room (see question H27 in appendix E).

**Vehicles Available**—Data for this item refer to the number of households with vehicles available at home for the use of the members of the household. Included in this item are passenger cars, pickup trucks, small panel trucks of one-ton capacity or less, as well as station wagons, company cars, and taxicabs kept at home for use of household members. Cars rented or leased for 1 month or more; police and government cars kept at home; and company vans and trucks of 1-ton capacity or less are also included if kept at home and used for nonbusiness purposes. Dismantled cars, immobile cars used as a source of power for some piece of machinery, and cars, vans, and trucks kept at home but used only for business purposes are excluded. The statistics do not reflect the number of vehicles privately owned or the number of households owning vehicles (see questions H28 and H29 in appendix E).

**Comparability With 1970 Census Automobiles Available Data**—In 1970, only data on the number of households with automobiles which were owned or regularly used by members of the household were obtained. Taxicabs, pickups, or large trucks were not counted. In 1980, the data on automobiles available include taxicabs if kept at home for use of household members but exclude pickups or larger trucks. Separate

data were obtained in 1980 on the number of housing units with vans or trucks of 1-ton capacity or less kept at home for use of members of the household.

### Fuels Used for House Heating and Water Heating

"Utility gas" is gas piped through underground pipes from a central system that serves the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Fuel oil, kerosene, etc." includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids. For data on house heating fuel, the category "Other" includes any other fuel such as purchased steam, coal dust, briquettes made of pitch and sawdust, waste materials such as corn cobs, etc. For data on water heating fuel, the category "Other" also includes coal or coke, and wood (see question H21 in appendix E).

## FINANCIAL CHARACTERISTICS

**Value**—Value is the respondent's estimate of how much the property (house and lot) would sell for, if it were for sale (see question H11 in appendix E).

Value is tabulated for certain kinds of housing units. Value statistics are presented for "Specified owner-occupied" housing units. These "specified" housing units include only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. The "Specified owner-occupied" universes are the same for the value tabulation and the mortgage status and selected monthly owner costs tabulation.

**Price Asked**—For vacant for sale only housing units, the price asked is the amount asked for the property at the time of enumeration. The statistics on price asked are shown for "Specified vacant for sale only" housing units, which include vacant for sale only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data also exclude condominium units and mobile homes.

**Mortgage Status and Selected Monthly Owner Costs**—The data are presented for "Specified owner-occupied" housing units. These "specified" housing units include only

one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Separate distributions of owner costs are shown for units "With a mortgage" and for units "Not mortgaged." Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.) (see questions H30, H31, and H32 in appendix E).

### Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979

Selected monthly housing costs is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same owner-occupied units for which selected monthly owner costs was tabulated; thus, the statistics reflect the exclusion of certain owner-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Rent**—The statistics on rent are tabulated for "Specified renter-occupied" housing units and for "Specified vacant for rent" housing units which include renter units except one-family houses on 10 or more acres. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the rent tabulations.

**Contract Rent**. "Contract rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included (see question H12 in appendix E).

**Gross Rent**. The computed rent termed "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are

paid for by the renter (or paid for the renter by someone else) in addition to rent. Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but are converted to monthly figures in the computation process (see questions H12 and H22 in appendix E).

**Rent Asked.** For "Specified vacant for rent" housing units, the rent asked is the amount asked for the rental of the unit at the time of enumeration.

**Gross Rent as a Percentage of Household Income in 1979**—Monthly gross rent is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Household Income in 1979**—Household income is the sum of the money income of all persons 15 years old and over occupying the housing unit, including persons not related to the householder. Data on income are based on money income received in the calendar year 1979. Income is the algebraic sum of the amounts reported separately for wage and salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net rental or royalty income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer's contributions for pensions, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Although the income statistics cover the calendar year 1979, the composition of households refers to the time of enumeration (April 1, 1980). However, the composition of most households was the same during 1979 as in April 1980. There may be differences between the data on household income in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

**Median Income**—The median income values presented in this report are computed on the basis of more detailed income intervals than shown in the tables. Median income figures of \$30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through pareto interpolation.

**Comparability With 1970 Census Income Data**—In 1970, the statistics on income presented in Series HC80-2, *Metropolitan Housing Characteristics* reports related to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Income of persons living in

the unit but not related to the head of household was not included. In 1980, the statistics on income relate to the income of the household; that is, the sum of the income of all persons 15 years old and over occupying a housing unit, including persons not related to the householder.

A discussion on comparability of income data from other sources including earlier censuses may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

**Poverty Status in 1979**—Households are classified below the poverty level when the total 1979 income of the family or of the non-family householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual. The criteria used in the 1980 census differ slightly from those used in the 1970 census, which took into account the same three factors as well as sex of the family householder or unrelated individual and farm-nonfarm residence. In addition, for the 1980 census the thresholds by size of family were extended from seven or more persons to nine or more persons. The income cutoffs are updated each year to reflect the change in the Consumer Price Index. A more detailed explanation of the poverty definition may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

There may be slight differences between the data on poverty status in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

## Appendix B.—Definitions and Explanations of Subject Characteristics

### Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years							
		None	1	2	3	4	5	6	7 8 or more
1 person (unrelated individual).....	3,686	3,686	...	...	...	...	...	...	...
Under 65 years.....	3,774	3,774	...	...	...	...	...	...	...
65 years and over.....	3,479	3,479	...	...	...	...	...	...	...
2 persons.....	4,723	4,723	...	...	...	...	...	...	...
Householder under 65 years.....	4,876	4,858	5,000	...	...	...	...	...	...
Householder 65 years and over.....	4,389	4,385	4,981	...	...	...	...	...	...
3 persons.....	5,787	5,674	5,839	5,844	...	...	...	...	...
4 persons.....	7,412	7,482	7,605	7,356	7,382	...	...	...	...
5 persons.....	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...
6 persons.....	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...
7 persons.....	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...
8 persons.....	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835
9 or more persons.....	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586
									14,024



## Appendix C.—General Enumeration and Processing Procedures

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### USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

### Armed Forces

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which

they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

### Crews of Merchant Vessels

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was

not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

### Persons Away at School

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

### Persons in Institutions

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

### Persons Away From Their Residence on Census Day

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be

away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

### Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

### Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

### DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire

was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of

Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

### PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototype-setting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.

## Appendix D.—Accuracy of the Data

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### INTRODUCTION

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

### SAMPLE DESIGN

While every person and housing unit in the 1980 census was enumerated on a

questionnaire that requested certain basic demographic information (e.g., age, number of rooms in living quarters, monthly rent), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other areas, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small areas. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation's housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In areas containing about 95 percent of the population the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator sys-

tematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

### ERRORS IN THE DATA

Since the data in this publication are based on a sample, they may differ somewhat from complete-count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex

operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

### Calculation of Standard Errors

**Totals and Percentages**—Tables A through D in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of housing units in the tabulation area and the percent of these in sample, given in table D. The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

- Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.
- Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- Use table C to obtain the factor for the characteristics (e.g., air-

conditioning, year structure built) and the range that contains the percent-in-sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formula below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

**Differences**—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference the tables are to be used somewhat differently in the following three situations:

- For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors  $Se_x$  and  $Se_y$  of estimates x and y:

$$Se_{(x+y)} = Se_{(x-y)} \doteq \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively)

correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

- For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

**Means**—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

**Medians**—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as  $N/2$ ). Treat  $N/2$  as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D. Compute the desired confidence interval about  $N/2$ . Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about  $N/2$ . By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from

the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about  $N/2$ . Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

### Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

- (1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and
- (2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these

figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error see any standard sampling theory text.

### Use of Tables to Compute Standard Errors

See appendix D of any 1980 Census of Housing, HC-80-1-B, *Detailed Housing Characteristics* report, for examples showing the computation of standard errors and the formation of confidence intervals.

### ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family or household characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of

five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons, the first stage employed 17 household type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

### PERSONS

#### Stage I—Type of Household

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit

#### Persons in Housing Units With a Family Without Own Children Under 18

6-10	2 persons in housing unit through 8 or more persons in housing unit
------	---

#### Persons in All Other Housing Units

11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

#### Persons in group quarters

	Stage II—Householder/ Nonhouseholder
<i>Group</i>	
1	Householder
2	Nonhouseholder (including persons in group quarters)
	Stage III—Age/Sex/Race/Spanish Origin
<i>Group</i>	
	<i>White Race</i>
	Persons of Spanish Origin
	<i>Male</i>
1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older
	<i>Female</i>
9-16	Same age categories as groups 1 to 8
	Persons Not of Spanish Origin
17-32	Same age and sex categories as groups 1 to 16
	Black Race
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
	Asian, Pacific Islander Race
65-96	Same age-sex-Spanish origin categories as groups 1 to 32
	American Indian, Eskimo, or Aleut Race
97-128	Same age-sex-Spanish origin categories as groups 1 to 32
	Other Race (includes those races not listed above)
129-160	Same age-sex-Spanish origin categories as groups 1 to 32

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estima-

tion procedure. For the first and second stages, any group that did not meet certain criteria concerning the unweighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "Other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for

housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

## OCCUPIED HOUSING UNITS

### Stage I—Type of Household

<i>Group</i>	<i>Housing Units With a Family With Own Children Under 18</i>
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit

<i>Group</i>	<i>Housing Units With a Family Without Own Children Under 18</i>
6-10	2 persons in housing unit through 8 or more persons in housing unit

<i>Group</i>	<i>All Other Housing Units</i>
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

### Stage II—Tenure/Race and Origin of Householder/Value or Rent

<i>Group</i>	<i>Owner</i>
	White Race (householder)
	Persons of Spanish Origin (householder)
	Value of House
1	\$0 to \$9,999
2	\$10,000 to \$19,999
3	\$20,000 to \$24,999
4	\$25,000 to \$49,999
5	\$50,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000+
8	Other Owners

Persons Not of Spanish Origin

9-16	Same value categories as groups 1 to 8	169-190	<i>Other Race (includes those races not listed above)</i> Same rent—Spanish origin categories as groups 81 to 102
17-32	<i>Black Race</i> Same value—Spanish origin categories as groups 1 to 16		
33-48	<i>Asian, Pacific Islander Race</i> Same value—Spanish origin categories as groups 1 to 16		
49-64	<i>American Indian, Eskimo, or Aleut Race</i> Same value—Spanish origin categories as groups 1 to 16		
65-80	<i>Other Race (includes those races not listed above)</i> Same value—Spanish origin categories as groups 1 to 16		
	<i>Renter</i>		
	<i>White Race</i>		
	<i>Persons of Spanish Origin</i>		
	<i>Rent Categories</i>		
81	\$1 to \$59		
82	\$60 to \$99		
83	\$100 to \$149		
84	\$150 to \$199		
85	\$200 to \$249		
86	\$250 to \$299		
87	\$300 to \$399		
88	\$400 to \$499		
89	\$500+		
90	Other Renter		
91	No Cash Rent		
	<i>Persons not of Spanish origin</i>		
92-102	Same rent categories as groups 81 to 91		
	<i>Black Race</i>		
103-124	Same rent—Spanish origin categories as groups 81 to 102		
	<i>Asian, Pacific Islander Race</i>		
125-146	Same rent—Spanish origin categories as groups 81 to 102		
	<i>American Indian, Eskimo, or Aleut Race</i>		
147-168	Same rent—Spanish origin categories as groups 81 to 102		

### VACANT HOUSING UNITS

#### Group

- 1 *Vacant for Rent*
- 2 *Vacant for Sale*
- 3 *Other Vacant*

The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.

### CONTROL OF NONSAMPLING ERROR

As mentioned above, nonsampling error is present in both sample and complete count data. If left unchecked, this error could introduce serious bias into the data, the variability of which could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the 1980 census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. The primary sources of nonsampling error and the programs instituted for control of this error are described below. The success of these programs, however, was contingent upon how well the instructions were actually carried out during the census. To the extent possible, both the effects of these programs and the amount of error remaining after their application will be evaluated.

**Undercoverage**—It is possible for some persons or housing units to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a precanvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

**Respondent and Enumerator Error**—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if the source of water item was incomplete for a housing unit, long-form field edit procedures would recognize the situation, and a followup attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect sample data for

households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

**Processing Error**—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

**Nonresponse**—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing

nonresponse. In the census, nonresponse was substantially reduced during the field operations by the various edit and follow-up operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described below.

### EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in computerized editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or housing unit or merely spurious marks. If any characteristic for a housing unit was still missing when the questionnaires reached the central processing offices, it was supplied by allocation. Allocation, or assignments of acceptable codes in place of unacceptable entries, were

needed most often when an entry for a given item was lacking or when the information reported for a particular item was inconsistent with another item for the same housing unit. As in previous censuses, allocations or the assignment of acceptable entries were used to replace blanks or unacceptable entries. The allocation procedure was based on using information reported for another housing unit with characteristics similar to those of the housing unit for which allocation was necessary. For example, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit. The assignment of acceptable codes in place of blanks or unacceptable entries is designed to enhance the usefulness of the data.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

### ALLOCATION TABLES

The extent of allocations for nonresponses and inconsistencies for individual subject items is given for SMSA's and places in the 1980 Census of Population PC80-1-B and PC80-1-C reports and in the 1980 Census of Housing HC80-1-A and HC80-1-B reports.

## Appendix D.—Accuracy of the Data

Table A. Unadjusted Standard Errors for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total <sup>1/</sup>	Size of publication area <sup>2/</sup>														
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000	
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270	270
25 000.....	-	-	-	-	-	-	250	310	340	350	350	350	350	350	350
75 000.....	-	-	-	-	-	-	310	510	570	590	610	610	610	610	610
100 000.....	-	-	-	-	-	-	-	550	630	670	700	700	700	700	710
250 000.....	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570	1 570
1 000 000....	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190	2 190
5 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470	4 470
10 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

<sup>1/</sup> For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se(\hat{Y}) = \sqrt{5\hat{Y}(1-\frac{\hat{Y}}{N})}$$

N = Size of area

$\hat{Y}$  = Estimate of characteristic total

<sup>2/</sup> The total count of housing units in the area.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage <sup>1/</sup>													
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000	
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1	0.1
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1	0.1
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1	0.1
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1	0.1
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1	0.1
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.1	0.1
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.1	0.1

<sup>1/</sup> For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se(\hat{p}) = \sqrt{\frac{5}{B} \hat{p}(100-\hat{p})}$$

B = Base of estimated percentage

$\hat{p}$  = Estimated percentage

## Table C. Standard Error Adjustment Factors

Table C. Standard Error Adjustment Factors

(Percent of persons or housing units in sample)

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type.....	1.1	1.1	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	0.7	0.5
Vacant price asked and vacant rent asked.....	1.1	0.7	0.5
Tenure.....	1.1	0.9	0.5
Units in structure.....	1.1	0.9	0.5
Stories in structure.....	0.9	0.8	0.4
Passenger elevator.....	0.9	0.7	0.4
Persons in unit.....	1.1	1.0	0.5
Year structure built.....	1.1	0.9	0.5
Year householder moved into housing unit.....	1.1	1.0	0.5
Heating equipment and fuel.....	1.1	0.9	0.5
Number of bedrooms.....	1.1	1.0	0.6
Rooms.....	1.1	1.0	0.5
Telephone in housing unit.....	1.1	1.0	0.5
Air conditioning.....	1.3	1.1	0.6
Vehicles available.....	1.1	1.0	0.5
Gross rent and contract rent.....	1.1	0.9	0.5
Gross rent as a percentage of household income in 1979.....	1.1	0.8	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.8	0.5
Household income.....	1.1	1.0	0.5
Poverty status: Housing.....	1.1	1.0	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.1	0.9	0.5
Value.....	1.0	1.0	0.5

## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

### INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.

2. Fill a circle to show how each person is related to the person in column 1.

A stepchild or legally adopted child of the person in column 1 should be marked Son/daughter. Foster children or wards living in the household should be marked Roomer, boarder.

3. Be sure to fill a circle for the sex of each person.

4. Fill the circle for the category with which the person most closely identifies. If you fill the Indian (American) or Other circle, be sure to print the name of the specific Indian tribe or specific group.

5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, and fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.

6. If the person's only marriage was annulled, mark Never married.

7. A person is of Spanish/Hispanic origin or descent if the person identifies his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.

8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A public school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.

9. Fill only one circle. Mark the highest grade ever attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for Nursery school.

If the person skipped or repeated grades, mark the highest grade ever attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the

General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark Finished this grade (or year) only if the person finished the entire grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

### INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

4. Mark only one circle. *This address* means the house or building number where your living quarters are located.

5. Mark the second circle only if you *must* go through someone else's living quarters to get to your own.

6. Consider that you have hot water even if you have it only part of the time.

Mark Yes, but also used by another household if someone else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.

7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.

8. Mark Owned or being bought if the living quarters are owned outright or are mortgaged. Also mark Owned or being bought if the living quarters are owned but the land is rented.

Mark Rented for cash rent if any money rent is paid. Rent may be paid by persons who are not members of your household.

Occupied without payment of cash rent includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.

9. A condominium is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.

- 10b. A commercial establishment is easily recognized from the outside, for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients.

11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

H12. Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

### INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

H13. Mark only one circle.

*Detached* means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall which goes from ground to roof.

Mark A one-family house detached from any other house when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

H14a. Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

H15a. A *city or suburban* lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A *place* is a farm, ranch, or any other property, other than a city or suburban lot, on which this *residence* is located.

H16. If a well provides water for six or more houses or apartments, mark A *public system*. If a well provides water for five or fewer houses or apartments, mark one of the categories for *individual well*.

*Drilled wells*, or small diameter wells, are usually less than 1½ feet in diameter. *Dug wells* are generally hand dug and are wider.

H17. A *public sewer* is operated by a government body or a private organization. A *septic tank or cesspool* is an underground tank or pit used for disposal of sewage.

H19. The term *person in column 1* refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into this house or apartment.

H20. This question refers to the type of *heating equipment* and not to the fuel used.

An *electric heat pump* is sometimes known as a reverse cycle

system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

A *floor, wall, or pipeless furnace* delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a *portable room heater*.

### INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

H21. *Gas from underground pipes* is piped in from a central system such as one operated by a public utility company or a municipal government. *Bottled, tank, or LP gas* is stored in tanks which are refilled or exchanged when empty. *Other fuel* includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

H22. If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly *average* for the past 12 months; for water and other fuels, the *total* amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ( { ) the two utilities.

H23. The kitchen sink, stove, and refrigerator must be located in the building but do *not* have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

H26. Answer *Yes only* if the telephone is located in your living quarters.

H27. Count only equipment used to cool the air by means of a refrigeration unit.

H28—H29. Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do *not* count cars or trucks permanently out of working order.

H30—H32. Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.

H30. Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

H31. When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

H32a. The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.

- b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.
- c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

### INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14

#### 11. For persons born in the United States:

Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

#### For persons born outside the United States:

Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (*not* Great Britain or United Kingdom). Specify the particular island in the Caribbean, *not*, for example, West Indies.

#### 12. This question is only for persons born in a foreign country. Fill the Yes, a naturalized citizen circle only if the person has *completed* the naturalization process and is now a citizen.

If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

#### 13a. Mark No, only speaks English if the person always speaks English at home; then skip to question 14.

Mark Yes if the person speaks a language other than English *at home*. Do *not* mark Yes for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

b. Print the non-English language spoken *at home*. If this person speaks two or more non-English languages *at home* and cannot determine which is spoken most often, report the first language the person learned to speak.

c. Fill the circle that best describes the person's *ability* to speak English.

- (1) The circle Very well should be filled for persons who have no difficulty speaking English.
- (2) The circle Well should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.
- (3) The circle Not well should be filled for persons who are seriously limited in their ability to speak English.
- (4) The circle Not at all should be filled for persons who do not speak English at all.

14. Print the ancestry group with which the person *identifies*. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

### INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20

15a. Mark Yes, this house if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark No, different house if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did *not* live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — print the borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark Yes if you know that the location is *now* inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

17a. Mark Yes only if this person was on *active* duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark No if the person was in the National Guard or the reserves.

b. Mark Yes if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark No if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

c. Mark Yes, full time if the person worked full time (35 hours or more per week). Mark Yes, part time if the person worked part time (less than 35 hours per week). Mark No if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

18a. Mark Yes if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark Yes *only* if the person was ever called to active duty; mark No if the only service was active duty for training.

b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

19. The term "health condition" refers to any physical or mental problem which has lasted for *6 or more* months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should *not* be considered a health condition.

20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

**INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26**

21. If the exact date of marriage is not known, give your best estimate.

22a. Mark Yes if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

Count as work:

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

Do not count as work:

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.

23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in car pools, etc.

b. Mark Worked at home for a person who works on a farm where he or she lives, or in an office or shop in the person's home.

c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark Drive alone.

d. Do not include riders who rode to school or some other non-work destination.

25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark No.

26a. Mark Yes if the person tried to get a job or to start a business or professional practice at any time in the last *four* weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

b. Mark No, already has a job if the person was on layoff or was expecting to report to a job within 30 days.

Mark No, temporarily ill if the person expects to be able to work within 30 days.

Mark No, other reasons if the person could not have taken a job because he or she was going to school, taking care of children, etc.

**INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29**

27. Look at the instructions for 22a to see what to count as work. Mark Never worked if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm and (3) never served in the Armed Forces.

28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Furniture company

Grocery store

Oil company

Ranch

Acceptable

Metal furniture manufacturing

Wholesale grocery store

Retail gas station

Cattle ranch

c. Mark Manufacturing if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark Wholesale trade if the business mostly sells things to stores or other companies.

Mark Retail trade if the business mostly sells things (not services) to individuals.

Mark Other if the main activity of the employer is not making or selling things. Some examples of Other are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Clerk

Helper

Mechanic

Nurse

Acceptable

Production clerk

Carpenter's helper

Auto engine mechanic

Registered nurse

b. Print the most important things that the person does on the job. Some examples are shown on the census form.

**INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33**

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle:

Mark Local government employee for a teacher working in an elementary or secondary public school.

31a. Look at the instructions for question 22a to see what to count as work.

b. Count every week in which the person did any work at all, even for an hour.

c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.

d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.

32. Fill the Yes or No circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark No for the other person, unless the other person has additional income of the same type.

a. Include sick leave pay. Do not include reimbursement for business

expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.

c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.

d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.

e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.

f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.

g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

33. If no income was received in 1979, fill the **None** circle. If total income was a loss, write "Loss" above the amount.

Please fill out this  
official Census Form  
and mail it back on  
Census Day,  
Tuesday, April 1, 1980

# 1980 Census of the United States

If the address shown below has the wrong apartment identification,  
please write the correct apartment number or location here:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DO	A1	A2	A4	A5	L	A6
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## Your answers are confidential

By law (title 13, U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

## Para personas de habla hispana

(For Spanish-speaking persons):

SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL  
llame a la oficina del censo. El número de teléfono se encuentra en  
el encasillado de la dirección.

O, si prefiere, marque esta casilla  y devuelva el cuestionario  
por correo en el sobre que se le incluye.

A message from the Director,  
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.

## How to fill out your Census Form

Page 1

See the filled-out example in the yellow instruction guide. This guide will help with any problems you may have.

If you need more help, call the Census Office. The telephone number of the local office is shown at the bottom of the address box on the front cover.

**Use a black pencil to answer the questions. Black pencil is better to use than ballpoint or other pens.**

Fill circles "O" completely, like this: ●

When you write in an answer, print or write clearly.

**Make** sure that answers are provided for everyone here.

See page 4 of the guide if a roomer or someone else in the household does not want to give you all the information for the form.

**Answer** the questions on pages 1 through 5, and then starting with pages 6 and 7, fill a pair of pages for each person in the household.

Check your answers. Then write your name, the date, and telephone number on page 20.

**Mail back this form on Tuesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.**

**Please start by answering Question 1 below.**

## Question 1

### List in Question 1

- Family members living here, including babies still in the hospital
- Relatives living here
- Lodgers or boarders living here
- Other persons living here
- College students who stay here while attending college, even if their parents live elsewhere
- Persons who usually live here but are temporarily away (including children in boarding school below the college level)
- Persons with a home elsewhere but who stay here most of the week while working

1. What is the name of each person who was living here on Tuesday, April 1, 1980, or who was staying or visiting here and had no other home?

### Note

If everyone here is staying only temporarily and has a usual home elsewhere, please mark this box

Then please:

- answer the questions on pages 2 through 5 only, and
- enter the address of your usual home on page 20.

Please continue 

# Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 2

→ ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3

<p>Here are the QUESTIONS ↓</p> <p>These are the columns for ANSWERS →</p> <p>Please fill one column for each person listed in Question 1.</p> <p><b>2. How is this person related to the person in column 1?</b> Fill one circle. If "Other relative" of person in column 1, give exact relationship, such as mother-in-law, niece, grandson, etc.</p>	<p><b>PERSON in column 1</b></p> <table border="1"> <tr> <td>Last name</td> <td>Middle initial</td> </tr> <tr> <td>First name</td> <td></td> </tr> </table> <p><b>START</b>, in this column with the household member (or one of the members) in whose name the home is owned or rented. If there is no such person, start in this column with any adult household member.</p>	Last name	Middle initial	First name		<p><b>PERSON in column 2</b></p> <table border="1"> <tr> <td>Last name</td> <td>Middle initial</td> </tr> <tr> <td>First name</td> <td></td> </tr> </table> <p>If relative of person in column 1:  <input type="radio"/> Husband/wife      <input type="radio"/> Father/mother  <input type="radio"/> Son/daughter      <input type="radio"/> Other relative  <input type="radio"/> Brother/sister</p> <p>If not related to person in column 1:  <input type="radio"/> Roomer, boarder      <input type="radio"/> Other nonrelative  <input type="radio"/> Partner, roommate  <input type="radio"/> Paid employee</p>	Last name	Middle initial	First name																																																																																									
Last name	Middle initial																																																																																																	
First name																																																																																																		
Last name	Middle initial																																																																																																	
First name																																																																																																		
<b>3. Sex</b> Fill one circle.	<input type="radio"/> Male <input checked="" type="radio"/> <input type="radio"/> Female	<input type="radio"/> Male <input checked="" type="radio"/> <input type="radio"/> Female																																																																																																
<b>4. Is this person —</b> Fill one circle.	<input type="radio"/> White <input type="radio"/> Asian Indian <input type="radio"/> Black or Negro <input type="radio"/> Hawaiian <input type="radio"/> Japanese <input type="radio"/> Guamanian <input type="radio"/> Chinese <input type="radio"/> Samoan <input type="radio"/> Filipino <input type="radio"/> Eskimo <input type="radio"/> Korean <input type="radio"/> Aleut <input type="radio"/> Vietnamese <input type="radio"/> Other — Specify <input type="radio"/> Indian (Amer.) <i>Print tribe</i> →	<input type="radio"/> White <input type="radio"/> Asian Indian <input type="radio"/> Black or Negro <input type="radio"/> Hawaiian <input type="radio"/> Japanese <input type="radio"/> Guamanian <input type="radio"/> Chinese <input type="radio"/> Samoan <input type="radio"/> Filipino <input type="radio"/> Eskimo <input type="radio"/> Korean <input type="radio"/> Aleut <input type="radio"/> Vietnamese <input type="radio"/> Other — Specify <input type="radio"/> Indian (Amer.) <i>Print tribe</i> →																																																																																																
<b>5. Age, and month and year of birth</b>	<p><b>a. Age at last birthday</b></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table> <p><b>b. Month of birth</b></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table> <p><input type="radio"/> Jan.—Mar.  <input type="radio"/> Apr.—June  <input type="radio"/> July—Sept.  <input type="radio"/> Oct.—Dec.</p>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<p><b>a. Age at last birthday</b></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table> <p><b>b. Month of birth</b></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table> <p><input type="radio"/> Jan.—Mar.  <input type="radio"/> Apr.—June  <input type="radio"/> July—Sept.  <input type="radio"/> Oct.—Dec.</p>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																										
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<b>6. Marital status</b> Fill one circle.	<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced	<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced																																																																																																
<b>7. Is this person of Spanish/Hispanic origin or descent?</b> Fill one circle.	<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano <input type="radio"/> Yes, Puerto Rican <input checked="" type="radio"/> <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic	<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano <input type="radio"/> Yes, Puerto Rican <input checked="" type="radio"/> <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic																																																																																																
<b>8. Since February 1, 1980, has this person attended regular school or college at any time? Fill one circle. Count nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree.</b>	<input type="radio"/> No, has not attended since February 1 <input type="radio"/> Yes, public school, public college <input type="radio"/> Yes, private, church-related <input type="radio"/> Yes, private, not church-related	<input type="radio"/> No, has not attended since February 1 <input type="radio"/> Yes, public school, public college <input type="radio"/> Yes, private, church-related <input type="radio"/> Yes, private, not church-related																																																																																																
<b>9. What is the highest grade (or year) of regular school this person has ever attended?</b> Fill one circle.  If now attending school, mark grade person is in. If high school was finished by equivalency test (GED), mark "12."	<p><b>Highest grade attended:</b></p> <p><input type="radio"/> <u>Nursery school</u>      <input type="radio"/> <u>Kindergarten</u></p> <p><u>Elementary through high school (grade or year)</u></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> </tr> </table> <p><b>College (academic year)</b>      <input checked="" type="radio"/></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>or more</td> </tr> <tr> <td><input type="radio"/></td> </tr> </table> <p><input type="radio"/> <u>Never attended school — Skip question 10</u></p>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1	2	3	4	5	6	7	8	or more	<input type="radio"/>	<p><b>Highest grade attended:</b></p> <p><input type="radio"/> <u>Nursery school</u>      <input type="radio"/> <u>Kindergarten</u></p> <p><u>Elementary through high school (grade or year)</u></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td><input type="radio"/></td> </tr> </table> <p><b>College (academic year)</b>      <input checked="" type="radio"/></p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>or more</td> </tr> <tr> <td><input type="radio"/></td> </tr> </table> <p><input type="radio"/> <u>Never attended school — Skip question 10</u></p>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="radio"/>	1	2	3	4	5	6	7	8	or more	<input type="radio"/>																																														
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<b>10. Did this person finish the highest grade (or year) attended?</b> Fill one circle.	<input type="radio"/> Now attending this grade (or year) <input type="radio"/> Finished this grade (or year) <input type="radio"/> Did not finish this grade (or year)	<input type="radio"/> Now attending this grade (or year) <input type="radio"/> Finished this grade (or year) <input type="radio"/> Did not finish this grade (or year)																																																																																																
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► NOW PLEASE ANSWER QUESTIONS 111-112  
**FOR YOUR HOUSEHOLD**

If you listed more than 7 persons in Question 1, please see note on page 20.

Last name		
First name		Middle initial
If relative of person in column 1:		
<input type="radio"/> Husband/wife <input type="radio"/> Son/daughter <input type="radio"/> Brother/sister		<input type="radio"/> Father/mother <input type="radio"/> Other relative
If not related to person in column 1:		
<input type="radio"/> Roomer, boarder <input type="radio"/> Partner, roommate <input type="radio"/> Paid employee		<input type="radio"/> Other nonrelative
<input type="radio"/> Male <input checked="" type="checkbox"/> <input type="radio"/> Female		
<input type="radio"/> White <input type="radio"/> Asian Indian <input type="radio"/> Black or Negro <input type="radio"/> Hawaiian <input type="radio"/> Japanese <input type="radio"/> Guamanian <input type="radio"/> Chinese <input type="radio"/> Samoan <input type="radio"/> Filipino <input type="radio"/> Eskimo <input type="radio"/> Korean <input type="radio"/> Aleut <input type="radio"/> Vietnamese <input type="radio"/> Other — <i>Specify</i> <input type="radio"/> Indian (Amer.) <i>Print tribe</i> →		
a. Age at last birthday	c. Year of birth	
	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 0	
b. Month of birth	<input type="checkbox"/> Jan.—Mar. <input type="checkbox"/> Apr.—June <input type="checkbox"/> July—Sept. <input type="checkbox"/> Oct.—Dec.	
<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced		
<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano <input type="radio"/> Yes, Puerto Rican <input checked="" type="checkbox"/> <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic		
<input type="radio"/> No, has not attended since February 1 <input type="radio"/> Yes, public school, public college <input type="radio"/> Yes, private, church-related <input type="radio"/> Yes, private, not church-related		
Highest grade attended:		
<input type="radio"/> Nursery school <input type="radio"/> Kindergarten		
Elementary through high school (grade or year)		
1 2 3 4 5 6 7 8 9 10 11 12 <input type="radio"/> <input type="radio"/>		
College (academic year) <input checked="" type="checkbox"/>		
1 2 3 4 5 6 7 8 or more <input type="radio"/> <input type="radio"/>		
<input type="radio"/> Never attended school — <i>Skip question 10</i>		
<input type="radio"/> Now attending this grade (or year) <input type="radio"/> Finished this grade (or year) <input type="radio"/> Did not finish this grade (or year)		
CENSUS USE ONLY		A. <input type="radio"/> I <input type="radio"/> N <input type="radio"/> O

<p><b>H1. Did you leave anyone out of Question 1 because you were not sure if the person should be listed — for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here once in a while and has no other home?</b></p> <p><input type="radio"/> Yes — On page 20 give name(s) and reason left out.  <input type="radio"/> No</p>	<p><b>H9. Is this apartment (house) part of a condominium?</b></p> <p><input type="radio"/> No  <input type="radio"/> Yes, a condominium</p>
<p><b>H2. Did you list anyone in Question 1 who is away from home now — for example, on a vacation or in a hospital?</b></p> <p><input type="radio"/> Yes — On page 20 give name(s) and reason person is away.  <input type="radio"/> No</p>	<p><b>H10. If this is a one-family house —</b></p> <p><b>a. Is the house on a property of 10 or more acres?</b>  <input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No</p>
<p><b>H3. Is anyone visiting here who is not already listed?</b></p> <p><input type="radio"/> Yes — On page 20 give name of each visitor for whom there is no one at the home address to report the person to a census taker.  <input type="radio"/> No</p>	<p><b>b. Is any part of the property used as a commercial establishment or medical office?</b>  <input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H4. How many living quarters, occupied and vacant, are at this address?</b></p> <p><input checked="" type="checkbox"/></p> <p><input type="radio"/> One  <input type="radio"/> 2 apartments or living quarters  <input type="radio"/> 3 apartments or living quarters  <input type="radio"/> 4 apartments or living quarters  <input type="radio"/> 5 apartments or living quarters  <input type="radio"/> 6 apartments or living quarters  <input type="radio"/> 7 apartments or living quarters  <input type="radio"/> 8 apartments or living quarters  <input type="radio"/> 9 apartments or living quarters  <input type="radio"/> 10 or more apartments or living quarters  <input type="radio"/> This is a mobile home or trailer</p>	<p><b>H11. If you live in a one-family house or a condominium unit which you own or are buying —</b></p> <p>What is the value of this property, that is, how much do you think this property (house and lot, or condominium unit) would sell for if it were for sale?</p>
<p><b>H5. Do you enter your living quarters —</b></p> <p><input type="radio"/> Directly from the outside or through a common or public hall?  <input type="radio"/> Through someone else's living quarters?</p>	<p><b>Do not answer this question if this is —</b></p> <p><input checked="" type="checkbox"/></p> <ul style="list-style-type: none"> <li>• A mobile home or trailer</li> <li>• A house on 10 or more acres</li> <li>• A house with a commercial establishment or medical office on the property</li> </ul>
<p><b>H6. Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or shower?</b></p> <p><input type="radio"/> Yes, for this household only  <input type="radio"/> Yes, but also used by another household  <input type="radio"/> No, have some but not all plumbing facilities  <input type="radio"/> No plumbing facilities in living quarters</p>	<p><b>H12. If you pay rent for your living quarters —</b></p> <p>What is the monthly rent?</p> <p>If rent is not paid by the month, see the instruction guide on how to figure a monthly rent.</p>
<p><b>H7. How many rooms do you have in your living quarters?</b></p> <p><i>Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.</i></p> <p><input type="radio"/> 1 room <input checked="" type="checkbox"/> <input type="radio"/> 4 rooms <input type="radio"/> 7 rooms  <input type="radio"/> 2 rooms <input type="radio"/> 5 rooms <input type="radio"/> 8 rooms  <input type="radio"/> 3 rooms <input type="radio"/> 6 rooms <input type="radio"/> 9 or more rooms</p>	<p><input type="radio"/> Less than \$50 <input type="radio"/> \$160 to \$169  <input type="radio"/> \$50 to \$59 <input type="radio"/> \$170 to \$179  <input type="radio"/> \$60 to \$69 <input type="radio"/> \$180 to \$189  <input type="radio"/> \$70 to \$79 <input type="radio"/> \$190 to \$199  <input type="radio"/> \$80 to \$89 <input type="radio"/> \$200 to \$224  <input type="radio"/> \$90 to \$99 <input checked="" type="checkbox"/> \$225 to \$249  <input type="radio"/> \$100 to \$109 <input type="radio"/> \$250 to \$274  <input type="radio"/> \$110 to \$119 <input type="radio"/> \$275 to \$299  <input type="radio"/> \$120 to \$129 <input type="radio"/> \$300 to \$349  <input type="radio"/> \$130 to \$139 <input type="radio"/> \$350 to \$399  <input type="radio"/> \$140 to \$149 <input type="radio"/> \$400 to \$499  <input type="radio"/> \$150 to \$159 <input type="radio"/> \$500 or more</p>
<p><b>H8. Are your living quarters —</b></p> <p><input type="radio"/> Owned or being bought by you or by someone else in this household?  <input type="radio"/> Rented for cash rent?  <input type="radio"/> Occupied without payment of cash rent?</p>	

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44. Block number		A6. Serial number		B. Type of unit or quarters		For vacant units		D. Months vacant		F. Total persons			
				<u>Occupied</u> <input type="radio"/> First form <input type="radio"/> Continuation  <u>Vacant</u> <input type="radio"/> Regular <input type="radio"/> Usual home elsewhere  <u>Group quarters</u> <input type="radio"/> First form <input type="radio"/> Continuation		<u>C1. Is this unit for —</u> <input type="radio"/> Year round use <input type="radio"/> Seasonal/Migr. — <i>Skip C2, C3, and D.</i>		<u>C2. Vacancy status</u> <input type="radio"/> For rent <input type="radio"/> For sale only <input type="radio"/> Rented or sold, not occupied <input type="radio"/> Held for occasional use <input type="radio"/> Other vacant		<input type="radio"/> Less than 1 month <input type="radio"/> 1 up to 2 months <input type="radio"/> 2 up to 6 months <input type="radio"/> 6 up to 12 months  <input type="radio"/> 1 year up to 2 years <input type="radio"/> 2 or more years		<input type="radio"/> 0 0 0 <input type="radio"/> 1 1 1 <input type="radio"/> 2 2 2 <input type="radio"/> 3 3 3 <input type="radio"/> 4 4 4 <input type="radio"/> 5 5 5 <input type="radio"/> 6 6 6 <input type="radio"/> 7 7 7 <input type="radio"/> 8 8 8 <input type="radio"/> 9 9 9	
						<u>C3. Is this unit boarded up?</u> <input type="radio"/> Yes <input type="radio"/> No				<u>E. Indicators</u> <input type="checkbox"/> 1. <input type="radio"/> <input type="radio"/> Mail return 2. <input type="radio"/> <input type="radio"/> Pop./F			
										<input type="radio"/> 0 0 0 <input type="radio"/> 1 1 1 <input type="radio"/> 2 2 2 <input type="radio"/> 3 3 3 <input type="radio"/> 4 4 4 <input type="radio"/> 5 5 5 <input type="radio"/> 6 6 6 <input type="radio"/> 7 7 7 <input type="radio"/> 8 8 8 <input type="radio"/> 9 9 9			

# Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 4

ALSO ANSWER THESE QUESTIONS

<p><b>H13. Which best describes this building?</b>  <i>Include all apartments, flats, etc., even if vacant.</i></p> <p><input type="radio"/> A mobile home or trailer  <input type="radio"/> A one-family house detached from any other house  <input type="radio"/> A one-family house attached to one or more houses  <input type="radio"/> A building for 2 families  <input type="radio"/> A building for 3 or 4 families  <input type="radio"/> A building for 5 to 9 families  <input type="radio"/> A building for 10 to 19 families  <input type="radio"/> A building for 20 to 49 families  <input type="radio"/> A building for 50 or more families  <input type="radio"/> A boat, tent, van, etc. <input checked="" type="checkbox"/></p>	<p><b>H21a. Which fuel is used most for house heating?</b></p> <p><input type="radio"/> Gas: from underground pipes serving the neighborhood  <input type="radio"/> Gas: bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/></p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p> <p><b>H22a.</b></p> <table border="1"> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td></tr> </tbody> </table>	0	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9
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4	4	4																													
5	5	5																													
6	6	6																													
7	7	7																													
8	8	8																													
9	9	9																													
<p><b>H14a. How many stories (floors) are in this building?</b>  <i>Count an attic or basement as a story if it has any finished rooms for living purposes.</i></p> <p><input type="radio"/> 1 to 3 — <i>Skip to H15</i> <input type="radio"/> 7 to 12  <input type="radio"/> 4 to 6 <input type="radio"/> 13 or more stories</p>	<p><b>b. Which fuel is used most for water heating?</b></p> <p><input type="radio"/> Gas: from underground pipes serving the neighborhood  <input type="radio"/> Gas: bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/></p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p>																														
<p><b>b. Is there a passenger elevator in this building?</b></p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	<p><b>c. Which fuel is used most for cooking?</b></p> <p><input type="radio"/> Gas: from underground pipes serving the neighborhood  <input type="radio"/> Gas: bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/></p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p> <p><b>H22b.</b></p> <table border="1"> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td></tr> </tbody> </table>	0	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9
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<p><b>H15a. Is this building —</b></p> <p><input type="radio"/> On a city or suburban lot, or on a place of less than 1 acre? — <i>Skip to H16</i>  <input type="radio"/> On a place of 1 to 9 acres?  <input type="radio"/> On a place of 10 or more acres?</p> <p><b>b. Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —</b></p> <p><input type="radio"/> Less than \$50 (or None) <input type="radio"/> \$250 to \$599 <input type="radio"/> \$1,000 to \$2,499  <input type="radio"/> \$50 to \$249 <input checked="" type="checkbox"/> \$600 to \$999 <input type="radio"/> \$2,500 or more</p>	<p><b>H22. What are the costs of utilities and fuels for your living quarters?</b></p> <p><b>a. Electricity</b></p> <p>\$ <input type="text"/> .00 OR <input type="radio"/> Included in rent or no charge  <i>Average monthly cost</i></p> <p><b>b. Gas</b></p> <p>\$ <input type="text"/> .00 OR <input type="radio"/> Included in rent or no charge  <i>Average monthly cost</i></p> <p><b>c. Water</b></p> <p>\$ <input type="text"/> .00 OR <input type="radio"/> Included in rent or no charge  <i>Yearly cost</i></p> <p><b>d. Oil, coal, kerosene, wood, etc.</b></p> <p>\$ <input type="text"/> .00 OR <input type="radio"/> Included in rent or no charge  <i>Yearly cost</i></p> <p><b>H22c.</b></p> <table border="1"> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td></tr> </tbody> </table>	0	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9
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<p><b>H16. Do you get water from —</b></p> <p><input type="radio"/> A public system (<i>city water department, etc.</i>) or private company?  <input type="radio"/> An individual drilled well?  <input type="radio"/> An individual dug well?  <input type="radio"/> Some other source (<i>a spring, creek, river, cistern, etc.</i>)?</p>	<p><b>H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.</b></p> <p><input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No</p>																														
<p><b>H17. Is this building connected to a public sewer?</b></p> <p><input type="radio"/> Yes, connected to public sewer  <input type="radio"/> No, connected to septic tank or cesspool  <input type="radio"/> No, use other means</p>	<p><b>H24. How many bedrooms do you have?</b>  <i>Count rooms used mainly for sleeping even if used also for other purposes.</i></p> <p><input type="radio"/> No bedroom <input type="radio"/> 2 bedrooms <input type="radio"/> 4 bedrooms  <input type="radio"/> 1 bedroom <input type="radio"/> 3 bedrooms <input type="radio"/> 5 or more bedrooms</p>																														
<p><b>H18. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</b></p> <p><input type="radio"/> 1979 or 1980 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1940 to 1949  <input type="radio"/> 1975 to 1978 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1939 or earlier  <input type="radio"/> 1970 to 1974 <input checked="" type="checkbox"/></p>	<p><b>H25. How many bathrooms do you have?</b>  <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i>  <i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i></p> <p><input type="radio"/> No bathroom, or only a half bathroom  <input type="radio"/> 1 complete bathroom  <input type="radio"/> 1 complete bathroom, plus half bath(s)  <input type="radio"/> 2 or more complete bathrooms</p>																														
<p><b>H19. When did the person listed in column 1 move into this house (or apartment)?</b></p> <p><input type="radio"/> 1979 or 1980 <input type="radio"/> 1950 to 1959  <input type="radio"/> 1975 to 1978 <input type="radio"/> 1949 or earlier  <input type="radio"/> 1970 to 1974 <input type="radio"/> Always lived here  <input type="radio"/> 1960 to 1969</p>	<p><b>H26. Do you have a telephone in your living quarters?</b></p> <p><input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No <input checked="" type="checkbox"/></p>																														
<p><b>H20. How are your living quarters heated?</b>  <i>Fill one circle for the kind of heat used most.</i></p> <p><input type="radio"/> Steam or hot water system  <input type="radio"/> Central warm-air furnace with ducts to the individual rooms (<i>Do not count electric heat pumps here</i>)  <input type="radio"/> Electric heat pump  <input type="radio"/> Other built-in electric units (<i>permanently installed in wall, ceiling, or baseboard</i>) <input checked="" type="checkbox"/></p> <p><input type="radio"/> Floor, wall, or pipeless furnace  <input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene  <input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (<i>not portable</i>)  <input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind  <input type="radio"/> No heating equipment</p>	<p><b>H27. Do you have air conditioning?</b></p> <p><input type="radio"/> Yes, a central air-conditioning system  <input type="radio"/> Yes, 1 individual room unit  <input type="radio"/> Yes, 2 or more individual room units  <input type="radio"/> No</p> <p><b>H28. How many automobiles are kept at home for use by members of your household?</b></p> <p><input type="radio"/> None <input checked="" type="checkbox"/> <input type="radio"/> 2 automobiles <input checked="" type="checkbox"/>  <input type="radio"/> 1 automobile <input type="radio"/> 3 or more automobiles</p> <p><b>H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?</b></p> <p><input type="radio"/> None <input type="radio"/> 2 vans or trucks <input checked="" type="checkbox"/>  <input type="radio"/> 1 van or truck <input type="radio"/> 3 or more vans or trucks</p>																														

## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

### FOR YOUR HOUSEHOLD

Page 5

Please answer H30-H32 if you live in a one-family house which you own or are buying, unless this is —

- A mobile home or trailer .....
- A house on 10 or more acres .....
- A condominium unit .....
- A house with a commercial establishment or medical office on the property .....

If any of these, or if you rent your unit or this is a multi-family structure, skip H30 to H32 and turn to page 6.

H30. What were the real estate taxes on this property last year?

\$ .00 OR  None

H31. What is the annual premium for fire and hazard insurance on this property?

\$ .00 OR  None

H32a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on this property?

- Yes, mortgage, deed of trust, or similar debt
- Yes, contract to purchase
- No — *Skip to page 6*

b. Do you have a second or junior mortgage on this property?

- Yes
- No

c. How much is your total regular monthly payment to the lender?

Also include payments on a contract to purchase and to lenders holding second or junior mortgages on this property.

\$ .00 OR  No regular payment required — *Skip to page 6*

d. Does your regular monthly payment (amount entered in H32c) include payments for real estate taxes on this property?

- Yes, taxes included in payment
- No, taxes paid separately or taxes not required

e. Does your regular monthly payment (amount entered in H32c) include payments for fire and hazard insurance on this property?

- Yes, insurance included in payment
- No, insurance paid separately or no insurance

*Please turn to page 6*

### FOR CENSUS USE ONLY

(1)	2.	4.	(2)	2.	4.	(3)	2.	4.
S.S.	0 0	0 0 0	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0
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2	2	2 2 2	2	2	2 2 2	2	2	2 2 2
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O	4	4 4 4	O	4	4 4 4	O	4	4 4 4
5	5 5 5	5	5 5 5	5	5 5 5	5	5 5 5	5 5 5
G	G G G	G	G G G	G	G G G	G	G G G	G G G
No	?	?	No	?	?	No	?	?
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9	9 9 9	9	9 9 9	9	9 9 9	9	9 9 9	9 9 9
<b>(4)</b>	<b>2.</b>	<b>4.</b>	<b>(5)</b>	<b>2.</b>	<b>4.</b>	<b>(6)</b>	<b>2.</b>	<b>4.</b>
S.S.	0 0	0 0 0	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0
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G	G G G	G	G G G	G	G G G	G	G G G	G G G
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<b>(7)</b>	<b>2.</b>	<b>4.</b>	<b>GQ.</b>	<b>H30.</b>	<b>H31.</b>	<b>H32c.</b>		
S.S.	0 0	0 0 0	0 0	0 0 0 0	0 0 0	0 0 0 0		
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O	4	4 4 4	4	4 4 4 4	4 4 4	4 4 4 4		
5	5 5 5	5 5	5 5 5 5	5 5 5	5 5 5	5 5 5 5		
G	G G G	G G	G G G G	G G G	G G G	G G G G		
No	?	?	?	?	?	?		
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# Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

Page 6

Name of Person 1 on page 2:		
Last name	First name	Middle initial
11. In what State or foreign country was this person born? Print the State where this person's mother was living when this person was born. Do not give the location of the hospital unless the mother's home and the hospital were in the same State.		
Name of State or foreign country, or Puerto Rico, Guam, etc.		
12. If this person was born in a foreign country — a. Is this person a naturalized citizen of the United States?		
<input type="radio"/> Yes, a naturalized citizen <input type="radio"/> No, not a citizen <input type="radio"/> Born abroad of American parents		
b. When did this person come to the United States to stay?		
<input type="radio"/> 1975 to 1980 <input type="radio"/> 1965 to 1969 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1970 to 1974 <input type="radio"/> 1960 to 1964 <input type="radio"/> Before 1950		
13a. Does this person speak a language other than English at home?		
<input type="radio"/> Yes <input type="radio"/> No, only speaks English — <i>Skip to 14</i>		
b. What is this language?		
(For example — Chinese, Italian, Spanish, etc.)		
c. How well does this person speak English?		
<input type="radio"/> Very well <input type="radio"/> Not well <input type="radio"/> Well <input type="radio"/> Not at all		
14. What is this person's ancestry? If uncertain about how to report ancestry, see instruction guide.		
(For example: Afro-Amer., English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)		
15a. Did this person live in this house five years ago (April 1, 1975)? If in college or Armed Forces in April 1975, report place of residence there.		
<input type="radio"/> Born April 1975 or later — <i>Turn to next page for next person</i> <input type="radio"/> Yes, this house — <i>Skip to 16</i> <input type="radio"/> No, different house		
b. Where did this person live five years ago (April 1, 1975)?		
(1) State, foreign country. Puerto Rico, Guam, etc.: _____		
(2) County: _____		
(3) City, town, village, etc.: _____		
(4) Inside the incorporated (legal) limits of that city, town, village, etc.? <input type="radio"/> Yes <input type="radio"/> No, in unincorporated area		

ANSWER THESE QUESTIONS FOR											
16. When was this person born?											
<input type="radio"/> Born before April 1965 — Please go on with questions 17-33 <input type="radio"/> Born April 1965 or later — Turn to next page for next person											
17. In April 1975 (five years ago) was this person —											
a. On active duty in the Armed Forces? <input type="radio"/> Yes <input type="radio"/> No											
b. Attending college? <input type="radio"/> Yes <input type="radio"/> No											
c. Working at a job or business? <input type="radio"/> Yes, full time <input type="radio"/> No <input type="radio"/> Yes, part time											
18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States? If service was in National Guard or Reserves only, see instruction guide.											
<input type="radio"/> Yes <input type="radio"/> No — <i>Skip to 19</i>											
b. Was active-duty military service during — Fill a circle for each period in which this person served.											
<input type="radio"/> May 1975 or later <input type="radio"/> Vietnam era (August 1964—April 1975) <input type="radio"/> February 1955—July 1964 <input type="radio"/> Korean conflict (June 1950—January 1955) <input type="radio"/> World War II (September 1940—July 1947) <input type="radio"/> World War I (April 1917—November 1918) <input type="radio"/> Any other time											
19. Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which ...											
a. Limits the kind or amount Yes No of work this person can do at a job? ..... <input type="radio"/> <input type="radio"/> b. Prevents this person from working at a job? <input type="radio"/> <input type="radio"/> c. Limits or prevents this person from using public transportation? ..... <input type="radio"/> <input type="radio"/>											
20. If this person is a female — None 1 2 3 4 5 6											
How many babies has she ever ..... <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> had, not counting stillbirths? Do not count her stepchildren ..... 7 8 9 10 11 12 or more or children she has adopted. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>											
21. If this person has ever been married —											
a. Has this person been married more than once? <input type="radio"/> Once <input type="radio"/> More than once											
b. Month and year of marriage?      Month and year of first marriage? (Month)      (Year)      (Month)      (Year)											
c. If married more than once — Did the first marriage end because of the death of the husband (or wife)? <input type="radio"/> Yes <input type="radio"/> No											
FOR CENSUS USE ONLY											
Per. No.	11. <input type="checkbox"/>	13b.		14. <input type="checkbox"/>		15b.		23. <input type="checkbox"/>	VL	24a.	
1	0 0 0	0 0 0		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0	
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3	2 2 2	2 2 2		2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2	
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5	4 4 4	4 4 4		4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	4 4	
6	5 5 5	5 5 5		5 5 5	5 5 5	5 5 5	5 5 5	5 5 5	5 5 5	5 5	
7	6 6 6	6 6 6		6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6	
8	7 7 7	7 7 7		7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7	
9	8 8 8	8 8 8		8 8 8	8 8 8	8 8 8	8 8 8	8 8 8	8 8 8	8 8	
10	9 9 9	9 9 9		9 9 9	9 9 9	9 9 9	9 9 9	9 9 9	9 9 9	9 9	

# Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

PERSON 1 ON PAGE 2

Page 7

<p>c. When going to work <u>last week</u>, did this person usually —</p> <p><input type="radio"/> Drive alone — <b>Skip to 28</b>      <input type="radio"/> Drive others only  <input type="radio"/> Share driving      <input type="radio"/> Ride as passenger only</p> <p>d. How many people, including this person, usually rode to work in the car, truck, or van <u>last week</u>?</p> <p><input type="radio"/> 2      <input checked="" type="checkbox"/> 4      <input type="radio"/> 6  <input type="radio"/> 3      <input type="radio"/> 5      <input type="radio"/> 7 or more      <input checked="" type="checkbox"/></p> <p><i>After answering 24d, skip to 28.</i></p>		<b>CENSUS USE</b> <b>21b.</b> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>I</td><td>○</td><td>○</td></tr> <tr><td>○</td><td>I</td><td>I</td></tr> <tr><td>○</td><td>2</td><td>2</td></tr> <tr><td>II</td><td>3</td><td>3</td></tr> <tr><td>○</td><td>4</td><td>4</td></tr> <tr><td>III</td><td>5</td><td>5</td></tr> <tr><td>○</td><td>6</td><td>6</td></tr> <tr><td>○</td><td>7</td><td>7</td></tr> <tr><td>IV</td><td>8</td><td>8</td></tr> <tr><td>○</td><td>9</td><td>9</td></tr> </table>	I	○	○	○	I	I	○	2	2	II	3	3	○	4	4	III	5	5	○	6	6	○	7	7	IV	8	8	○	9	9	<p>31a. Last year (1979), did this person work, even for a few days, at a paid job or in a business or farm?</p> <p><input type="radio"/> Yes      <input checked="" type="checkbox"/>      <input type="radio"/> No — <b>Skip to 31d</b></p>																																																																																																																																																																																																																																																																													
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		<p>b. How many weeks did this person work in 1979?  <i>Count paid vacation, paid sick leave, and military service.</i></p> <p style="text-align: center;">Weeks</p>																																																																																																																																																																																																																																																																																																												
		<p>c. During the weeks worked in 1979, how many hours did this person usually work each week?</p> <p style="text-align: center;">Hours</p>																																																																																																																																																																																																																																																																																																												
		<p>d. Of the weeks not worked in 1979 (if any), how many weeks was this person looking for work or on layoff from a job?</p> <p style="text-align: center;">Weeks</p>																																																																																																																																																																																																																																																																																																												
		<p><b>32. Income in 1979 —</b>  <i>Fill circles and print dollar amounts.</i>  <i>If net income was a loss, write "Loss" above the dollar amount.</i>  <i>If exact amount is not known, give best estimate. For income received jointly by household members, see instruction guide.</i></p> <p>During 1979 did this person receive any income from the following sources?</p> <p>If "Yes" to any of the sources below — How much did this person receive for the entire year?</p>																																																																																																																																																																																																																																																																																																												
<p>25. Was this person <u>temporarily absent</u> or on <u>layoff</u> from a job or business <u>last week</u>?</p> <p><input type="radio"/> Yes      <input type="radio"/> No — <b>Skip to 27</b></p> <p>b. Could this person have taken a job <u>last week</u>?</p> <p><input type="radio"/> No, already has a job      <input checked="" type="checkbox"/>  <input type="radio"/> No, temporarily ill  <input type="radio"/> No, other reasons (in school, etc.)  <input type="radio"/> Yes, could have taken a job      <input checked="" type="checkbox"/></p> <p>27. When did this person last work, even for a few days?</p> <p><input type="radio"/> 1980      <input type="radio"/> 1978      <input type="radio"/> 1970 to 1974  <input type="radio"/> 1979      <input type="radio"/> 1975 to 1977      <input type="radio"/> 1969 or earlier      <input type="radio"/> Never worked      <b>Skip to 31d</b></p> <p>28–30. Current or most recent job activity</p> <p><i>Describe clearly this person's chief job activity or business last week.</i>  <i>If this person had more than one job, describe the one at which this person worked the most hours.</i>  <i>If this person had no job or business last week, give information for last job or business since 1975.</i></p> <p>28. Industry</p> <p>a. For whom did this person work? If now on active duty in the Armed Forces, print "AF" and skip to question 31.</p> <p><i>(Name of company, business, organization, or other employer)</i></p> <p>b. What kind of business or industry was this?</p> <p><i>Describe the activity or location where employed.</i></p> <p><i>(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)</i></p> <p>c. Is this mainly — (Fill one circle)</p> <p>Manufacturing      <input checked="" type="checkbox"/>      Retail trade  Wholesale trade      <input type="radio"/>      Other — (agriculture, construction, service, government, etc.)</p>		<p><b>31a.</b> <b>31b.</b> <b>31c.</b> <b>31d.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>I</td><td>I</td><td>I</td><td>I</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table> <p><b>32a.</b> <b>32b.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> <tr><td>A</td><td>O</td><td>O</td><td>A</td><td>O</td><td>O</td></tr> </table> <p><b>32c.</b> <b>32d.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> <tr><td>O</td><td>A</td><td>O</td><td>O</td><td>A</td><td>O</td></tr> </table> <p><b>32e.</b> <b>32f.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> </table> <p><b>32g.</b> <b>33.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> <tr><td>O</td><td>A</td><td>O</td><td>O</td><td>A</td><td>O</td></tr> </table>			○	○	○	○	I	I	I	I	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	○	○	○	○	○	○	I	I	I	I	I	I	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9	A	O	O	A	O	O	○	○	○	○	○	○	I	I	I	I	I	I	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9	O	A	O	O	A	O	○	○	○	○	○	○	I	I	I	I	I	I	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9	○	○	○	○	○	○	I	I	I	I	I	I	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9	O	A	O	O	A	O
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		<p><b>33. What was this person's total income in 1979?</b></p> <p><i>Add entries in questions 32a through g; subtract any losses.</i>      <b>\$</b>      <b>.00</b>  <i>If total amount was a loss, write "Loss" above amount.</i>      <b>OR</b>      <b>O</b> <b>None</b></p>																																																																																																																																																																																																																																																																																																												

→ Please turn to the next page and answer the questions for Person 2 on page 2



## Appendix F.—Publication and Computer Tape Program

GENERAL . . . . .	F-1
PUBLICATIONS . . . . .	F-1
Population and Housing Census	
Reports . . . . .	F-1
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PHC80-2, Census Tracts . . . . .	F-2
PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas . . . . .	F-2
PHC80-4, Congressional Districts of the 98th Congress . . . . .	F-2
PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics . . . . .	F-2
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PC80-1, Volume 1, Characteristics of the Population . . . . .	F-2
PC80-1-A, Chapter A, Number of Inhabitants . . . . .	F-2
PC80-1-B, Chapter B, General Population Characteristics . . . . .	F-2
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HC80-S1-1, Supplementary Reports . . . . .	F-4
Evaluation and Reference Reports . . . . .	F-4
PHC80-E, Evaluation and Research Reports . . . . .	F-4
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STF 2 . . . . .	F-4
STF 3 . . . . .	F-4
STF 4 . . . . .	F-5
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Geographic Base File/Dual Independent Map Encoding (GBF/DIME) . . . . .	F-5
Public-Use Microdata Samples . . . . .	F-5
Census/EOO Special File . . . . .	F-5
MAPS . . . . .	F-5
MICROFICHE . . . . .	F-5
STF 1 Microfiche . . . . .	F-5
STF 3 Microfiche . . . . .	F-5
P.L. 94-171 Counts Microfiche . . . . .	F-5
GENERAL	
The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape	

files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing*, *1980 Census of Population*, and *1980 Census of Housing*. The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

### PUBLICATIONS

#### Population and Housing Census Reports

PHC80-1, Block Statistics—These reports, which are issued on microfiche rather

than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

**PHC80-2, Census Tracts—Statistics** for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

**PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas—Statistics** are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico.

This series does not include a U.S. Summary.

**PHC80-4, Congressional Districts of the 98th Congress—These** reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

**PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics—This** report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special sub-sample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

**PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics—These** reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White; Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

### Population Census Reports

**PC80-1, Volume 1, Characteristics of the Population—This** volume presents final

population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

**PC80-1-A, Chapter A, Number of Inhabitants—Final** population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

**PC80-1-B, Chapter B, General Population Characteristics—Statistics** on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,

SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-C, Chapter C, General Social and Economic Characteristics**—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-D, Chapter D, Detailed Population Characteristics**—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

**PC80-2, Volume 2, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

**PC80-2, Supplementary Reports**—These reports present special compilations of

1980 census statistics dealing with specific population subjects.

### Housing Census Reports

**HC80-1, Volume 1, Characteristics of Housing Units**—This volume presents final housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

**HC80-1-A, Chapter A, General Housing Characteristics**—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

**HC80-1-B, Chapter B, Detailed Housing Characteristics**—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

**HC80-2, Volume 2, Metropolitan Housing Characteristics**—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

**HC80-3, Volume 3, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

**HC80-4, Volume 4, Components of Inventory Change**—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)

with populations of 1 million or more at the time of the 1970 census, and part B presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

**HC80-5, Volume 5, Residential Finance**—This volume consists of one report presenting statistics on the financing of non-farm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

**HC80-S1-1, Supplementary Reports**—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

### Evaluation and Reference Reports

**PHC80-E, Evaluation and Research Reports**—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

**PHC80-R, Reference Reports**—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

**PHC80-R1, Users' Guide**—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in loose-leaf form and sold in parts (R1-A, B, etc.) as they are printed.

**PHC80-R2, History**—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

**PHC80-R3, Alphabetical Index of Industries and Occupations**—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

**PHC80-R4, Classified Index of Industries and Occupations**—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

**PHC80-R5, Geographic Identification Code Scheme**—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

## COMPUTER TAPES

### Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers

to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the *PHC80-R1, Users' Guide*.

**STF 1**—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

**STF 2**—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

**STF 3**—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.

**STF 4**—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

**STF 5**—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

### Other Computer Tape Files

**P.L. 94-171, Population Counts**—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

### Master Area Reference Files 1 and 2 (MARF)

**MARF 1**—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

**MARF 2**—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

**Geographic Base File/Dual Independent Map Encoding (GBF/DIME)**—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

**Public-Use Microdata Samples**—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the

B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

**Census/EEO Special File**—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

### MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

### MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

**STF 1 Microfiche**—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

**STF 3 Microfiche**—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

**P.L. 94-171 Counts Microfiche**—The data from the P.L. 94-171 computer file are presented in a listing format.

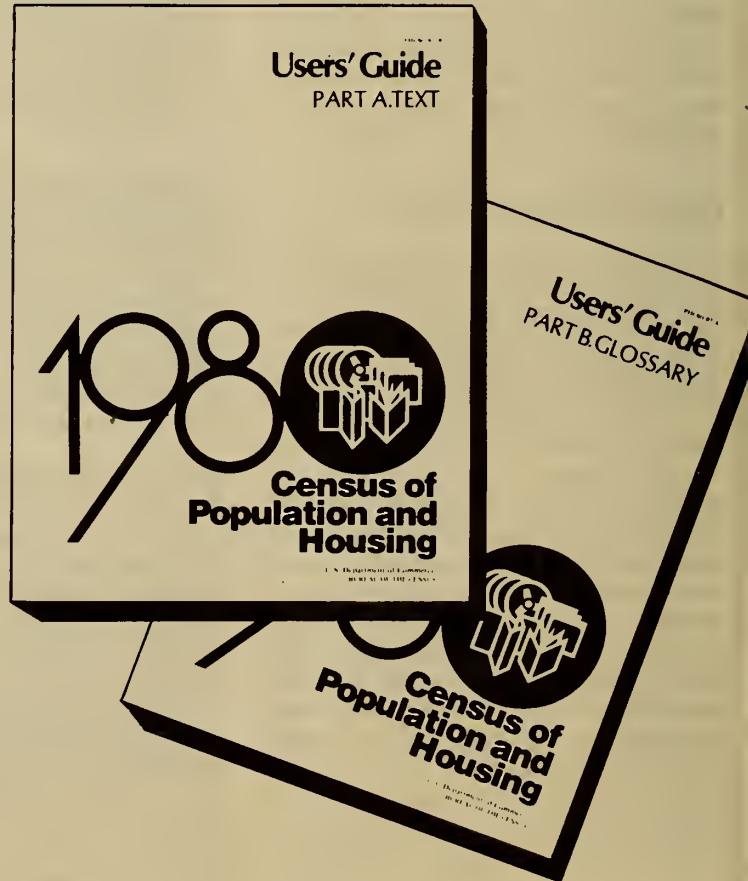
# 1980 Census of Population and Housing

## Users' Guide

The Users' Guide, a reference work on the 1980 census, is now available. It consists of:

- Part A. Text—Covers census data subjects; geographic considerations; reports, tapes, maps, and other products; services available to users; and many other topics central to understanding and using 1980 census data.
- Part B. Glossary—Provides detailed definitions of population, housing, geographic, and technical terms associated with the census—especially important for people using 1980 data on tape or microfiche.
- Sources of Assistance—Furnishes addresses and phone numbers of public and private sector organizations offering a variety of products and services, such as tape processing, area profiles, training, and reference assistance.
- Updates—Provide information on new developments relating to the 1980 census. Each update is keyed to the particular point in "Part A. Text" that needs revision.

Part C, a table finder, and Part D, a guide to tape contents, are planned for publication later.



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Part A. Text (S/N 003-024-03625-8)—\$5.50. Supplement 1 (S/N 003-024-05004-8)—\$6.00 (includes Part B. Glossary, Sources of Assistance, and Updates)

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